

DEC-11-HTCA-D

TC11
DECtape system
engineering drawings

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DEC	PDP
FLIP CHIP	FOCAL
DIGITAL	COMPUTER LAB

TC11 ENGINEERING DRAWINGS

Drawing	Sheets	Description	Drawing	Sheets	Description
A-ML-TC11-0	2	DECTape Control Master List	D-BS-TC11-0-18	1	Output Gating 2
D-UA-TC11-0-0	3	DECTape Control	D-BS-TC11-0-19	1	Address Selection & Interrupt Control
A-PL-TC11-0-0	1	DECTape Control (Parts List)	D-IC-TC11-0-20	1	Bus Connectors
D-DI-TC11-0-32	2	Drawing Index List	D-BS-TC11-0-21	1	Bus Address Register (TCBA)
D-AD-7007048-0-0	1	Wired Assembly	D-BS-TC11-0-22	1	Word Count Register (TCWC)
A-PL-7007408-0-0	1	Wired Assembly (Parts List)	D-BS-TC11-0-23	1	TC11 Control Panel
D-MU-TC11-0-0	2	Module Utilization	D-BS-TC11-0-24	1	DECTape Timing
A-PL-TC11-0-01	2	Module Utilization (Parts List)	D-BS-TC11-0-25	1	TC11 Slave Response
			D-BS-TC11-0-26	1	Ready and Error Sequence
D-BS-TC11-0-02	1	DECTape Control Control	D-BS-TC11-0-27	1	NPR Transfer – DATI
D-BS-TC11-0-03	1	DECTape Control Errors	D-TD-TC11-0-28	1	NPR Transfer – DATO
D-BS-TC11-0-04	1	DECTape Control TP, UPS, Motion Control	K-WL-TC11-0-30 (complete)	1	Wire List
D-BS-TC11-0-05	1	DECTape Control			
D-BS-TC11-0-06	1	RWB and LPB	C-CS-M105-0-1	1	Address Selector
D-BS-TC11-0-07	1	Mark Track Decoder	D-CS-M228-0-1	1	Mark Track Decoder
D-BS-TC11-0-08	1	NPR Control	D-CS-M239-0-1	1	Three 4-Bit Counter/Registers
D-BS-TC11-0-09	1	Register Control	D-CS-M7820-0-1	1	Interrupt Control Module
D-BS-TC11-0-10	1	Slave Response & Maintenance Bits	B-CS-M783-0-1	1	Unibus Transmitter
D-BS-TC11-0-11	1	Command Register	D-CS-M795-0-1	1	Word Count & Bus Address Register
D-BS-TC11-0-12	1	TU56 Connections	D-CS-M796-0-1	1	Unibus Master Control
D-BS-TC11-0-13	1	Unibus Drivers and Receivers	C-CS-M798-0-1	1	Unibus Drivers
D-BS-TC11-0-14	1	Data Register 1	B-CS-G879-0-1	1	Transport Detector
D-BS-TC11-0-15	1	Data Register 2	B-CS-G888-0-1	1	Manchester Read/Write Amplifier
D-BS-TC11-0-16	1	Data Register 3	B-CS-854-0-1	1	Power Control
D-BS-TC11-0-17	1	Output Gating 1			

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MASTER DRAWING LIST

DWG. NO.	REV. LET.	NO. OF SHEETS	TITLE
D-UA-TC11-0-0	C	3	DEC TAPE CONTROL
A-PL-TC11-0-0	C	1	DEC TAPE CONTROL
D-DI-TC11-0-32	D	2	DRAWING INDEX LIST (TC11)
D-AD-7007048-0-0	A	1	WIRED ASSY
A-PL-7007048-0-0	A	1	WIRED ASSY
D-MU-TC11-0-01	E	2	MODULE UTILIZATION
A-PL-TC11-0-01	E	2	MODULE UTILIZATION
D-BS-TC11-0-02	C	1	DECTAPE CONTROL CONTROL
D-BS-TC11-0-03	B	1	DECTAPE CONTROL ERRORS
D-BS-TC11-0-04	A	1	DECTAPE CONT TP, UPS, MOTION CONT
D-BS-TC11-0-05	A	1	DECTAPE CONTROL
D-BS-TC11-0-06	A	1	RWB AND LPB
D-BS-TC11-0-07		1	MARK TRACK DECODER
D-BS-TC11-0-08	C	1	NPR CONTROL
D-BS-TC11-0-09		1	REGISTER CONTROL
D-BS-TC11-0-10	B	1	SLAVE RESP AND MAINT BITS
D-BS-TC11-0-11	A	1	COMMAND REGISTER
D-BS-TC11-0-12	C	1	TU56 CONNECTIONS
D-BS-TC11-0-13		1	INIBUS DRIVER AND RECEIVERS
D-BS-TC11-0-14		1	DATA REGISTER 1
D-BS-TC11-0-15		1	DATA REGISTER 2
D-BS-TC11-0-16		1	DATA REGISTER 3
D-BS-TC11-0-17	A	1	OUTPUT GATING 1
D-BS-TC11-0-18		1	OUTPUT GATING 2
D-BS-TC11-0-19	C	1	ADDR SEL AND INT CONT
D-IC-TC11-0-20		1	BUS CONNECTORS
D-BS-TC11-0-21	A	1	BUS ADDRESS REGISTER (TCBA)
D-BS-TC11-0-22	A	1	WORD COUNT REGISTER (TCWC)
D-BS-TC11-0-23		1	TC11 CONTROL PANEL
D-TD-TC11-0-24		1	DECTAPE TIMING
D-TD-TC11-0-25		1	TC11 SLAVE RESPONSE
D-TD-TC11-0-26		1	READY AND ERROR SEQUENCE
REVISIONS			
REV.	DATE	CHG. NO.	APP'D.
A	1/5/71	00002	P.J.
B	1/7/71	00003	P.J.
C	2/7/71	00004	P.J.
D	5/7/71	00006	P.J.
E	9/7/71	00007	A.V.
F	11/7/71	00009	P.J.
H	11/7/71	00008	P.J.
J	4/72	00010	P.J.
K	5/72	00011	P.J.
L	5/72	00012	P.J.
DRN. MACKENZIE 10/24/70			
CHK'D. MACKENZIE 10/29/70			
ENG. DATE			
PROJ. ENG. DATE			
PROD. DATE 11/3/70			
FIRST USED ON			
PDP-11			
SCALE			
SHEET 1 OF 3			
SIZE CODE NUMBER REV.			
A ML TC11-0			
DIST.			

DEC FORM NO.16-1033
DRA 103

MASTER DRAWING LIST

DWG. NO.	REV. LET.	NO. OF SHEETS	TITLE
D-TD-TC11-0-27		1	NPR TRANSFER DATA
D-TD-TC11-0-28		1	NPR TRANSFER DATA
D-AD-TC11-0-29	A	2	MAX CONNECTION (TC11)
K-WL-TC11-0-30 *	F	1	WIRE LIST
A-SP-TC11-0-33		20	ENGINEERING SPECIFICATION
A-SP-TC11-0-34	REF	4	TC11 TEST PROCEDURE
A-SP-TC11-0-35	REF	3	TC11/TU56 IN HOUSE ACCEPTANCE TEST
A-AL-TC11-0-36		1	TC11 ACCESSARY LIST
A-SL-TC11-0-37		1	TC11 SOFTWARE LIST
* PRINT THE COMPLETE WIRELIST			
REVISIONS			
REV.	DATE	CHG. NO.	APP'D.
DRN. MACKENZIE 10/29/70			
CHK'D. MACKENZIE 10/29/70			
ENG. DATE 11/2/70			
PROJ. ENG. DATE 11/3/70			
PROD. DATE 11/3/70			
FIRST USED ON			
PDP-11			
SCALE			
SHEET 2 OF 3			
SIZE CODE NUMBER REV.			
A ML TC11-0			
DIST.			

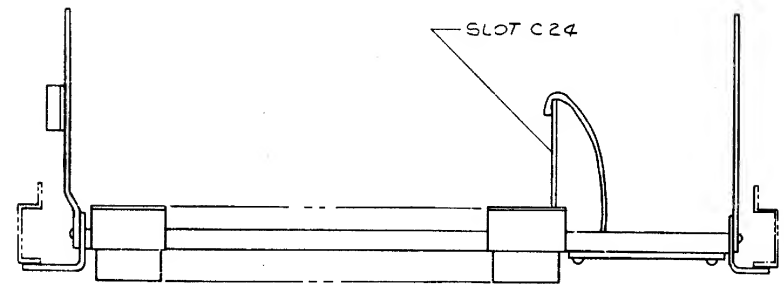
DEC FORM NO.16-1033
DRA 103

ADDITIONAL CUSTOMER PRINTS			
Drawing Number		Rev. Let	Title
D-CS-M796-0-1		A	UNIBUS MASTER CONTROL
D-CS-M795-0-1		A	WC AND CMA MODULE
C-CS-M798-0-1			UNIBUS DRIVERS
B-CS-M783-0-1			UNIBUS DRIVERS
D-CS-M228-0-1			MARK TRACK DECODER
D-CS-M239-0-1			THREE "4" BIT CONVERTER REGISTER
B-CS-854-0-1		RA	POWER CONTROL
B-CS-G879-0-1			TRANSPORT DETECTOR
D-CS-M7821-0-1			INTERRUPT CONTROL

Rev.	Date	Change Number	
L	5-31-72	TC11-00012	<div>Paul E. Janson 11-25-70 Requested by Date</div> <div>Paul E. Janson 11-25-70 Authorized by Date</div> <div>3 Of 3 A-ML-TC11-0</div> <div>Rev. <input type="checkbox"/></div>

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0-0-1101 2 2



VIEW A-A

REVISIONS		REV.
CHK	CHANGE NO.	
1	TC11-00002	A
2	TC11-00009	B
3	TC11-00012	C
4	TC11-00012	C
5	TC11-00012	C
6	TC11-00012	C
7	TC11-00012	C
8	TC11-00012	C

FIRST USED ON OPTION/MODEL
PDF11

DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
ANGLES
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP CORNERS
MATERIAL
FINISH

QTY.	DESCRIPTION	PART NO.	ITEM NO.
PARTS LIST			
digital EQUIPMENT CORPORATION MAYNARD MASSACHUSETTS			
TITLE DEC TAPE CONTROL (TC11)			
SIZE/CODE DUA TC11-0-0		NUMBER C	REV C

PDP-11 BLANK LOGO
D-IR-7407936-1

- SEE NOTE 6

NOTES:

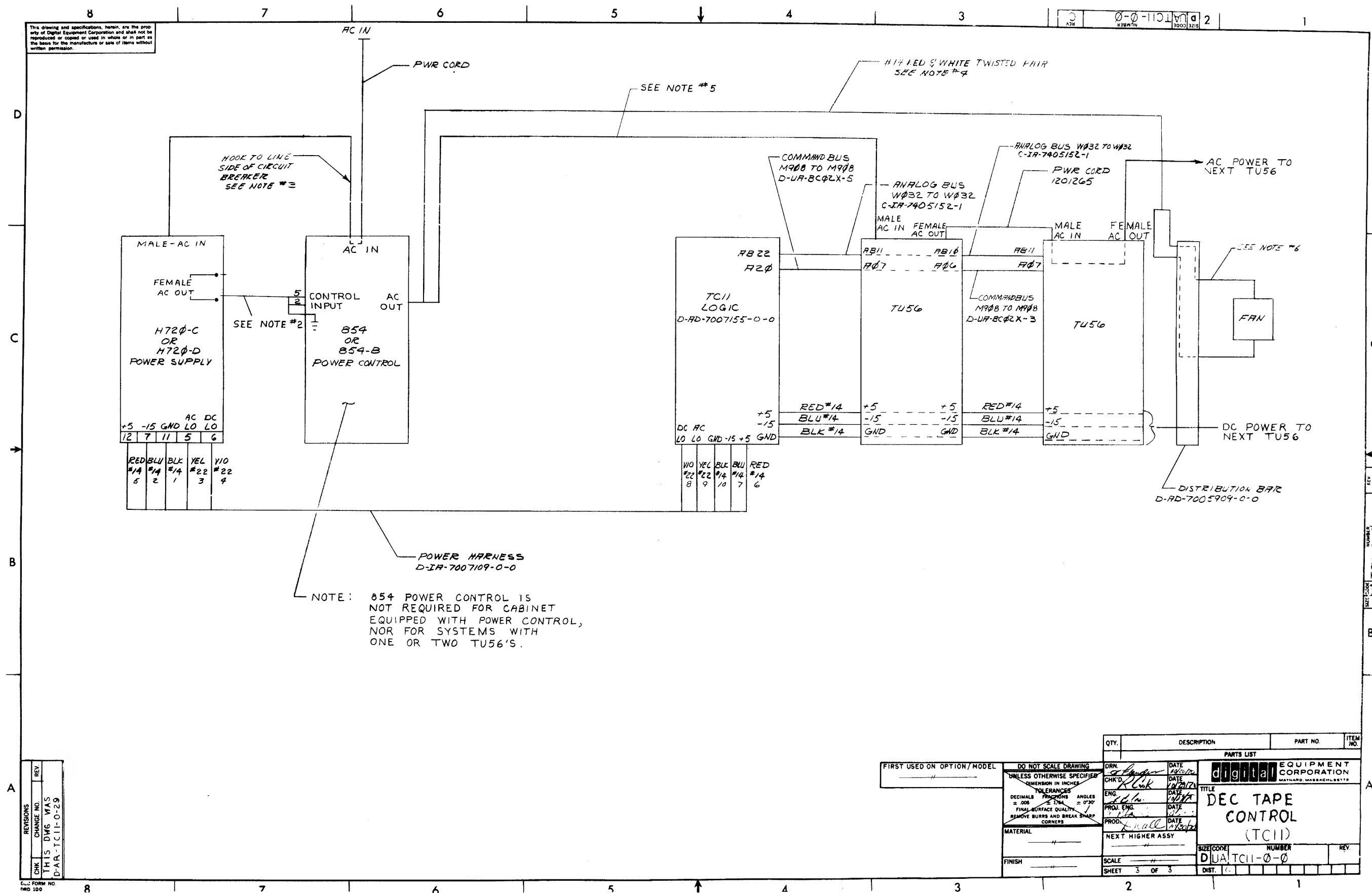
1. FOR SYSTEM WIRING INFORMATION
SEE SHEET #3
2. REMOVE FEMALE PLUG FROM POWER
CORD (#1201265) & ATTACH (2) SOLDERLESS
CONN #50364 ARKLESS (9007928) & (1)
SOLDERLESS CONN #50325 ARKLESS
(9007927) TO GND WIRE. GND WIRE IS
ATTACHED TO TERMINAL STRIP MOUNTING
SCREW.
3. REMOVE MALE PLUG FROM POWER CORD
(1201265) & ATTACH (3) SOLDERLESS CONN
#50368 ARKLESS (9007926).
4. ATTACH 4 #50906 ARKLESS (9007919) TO
RED & WHITE TWISTED PAIR, ONE END IS
ATTACHED TO B54 OUTPUT & THE OTHER
END TO THE DISTRIBUTION BAR.
5. REMOVE MALE PLUG FROM POWER CORD
(1201265) & ATTACH (2) SOLDERLESS CONN
#50906 ARKLESS (9007919), 1 SOLDERLESS
CONN. #56325 ARKLESS (9007927) TO
GND WIRE WHICH IS ATTACHED UNDERNEATH
NEAREST SCREW HEAD.
6. USE ONE FAN FOR 110V SYSTEMS, CONNECT TWO
FANS IN SERIES FOR 220V SYSTEMS.
7. H720 AND 854 ARE BACK-DOOR
MOUNTED.
8. OPTIONALLY CAN BE "SELF-
CONTAINED UNITS" SUCH AS
BAIL OR RCII. INSTALL FIRST IN
LOWEST POSITION AND EXPAND
UP TU56'S EXPAND DOWN.

H950 CFB.
FRONT

H950 CAB
(SIDE)

REVISIONS		
CHK	CHANGE NO.	REV.
THIS DWG WAS D-AR-TCL-0-29		

FIRST USED ON OPTION / MODEL <u> # </u>	<div>DO NOT SCALE DRAWING UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ± .005 ± .016 ± .000 FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS</div>	QTY.	DESCRIPTION	PART NO.	ITEM NO.
		PARTS LIST			
	<div>MATERIAL <u> # </u></div>	DRN. <u>G. Landon</u>	DATE <u>12/2/78</u>	<div>digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS</div> <div>TITLE DEC TAPE CONTROL (TCII)</div> <div>SIZE CODE NUMBER REV. DLA TCII-0-0 C</div> <div>SHEET 2 OF 3</div> <div>DIST. <u>G</u></div>	
	<div>FINISH <u> # </u></div>	CHK'D. <u>R. Cook</u>	DATE <u>12/19/78</u>		
		ENGL. <u>G. Landon</u>	DATE <u>12/19/78</u>		
		PROJ. ENGR. <u>G. Landon</u>	DATE <u>12/2/78</u>		
		PROD. <u>A. Call</u>	DATE <u>12/19/78</u>		
		NEXT HIGHER ASSY <u> # </u>			



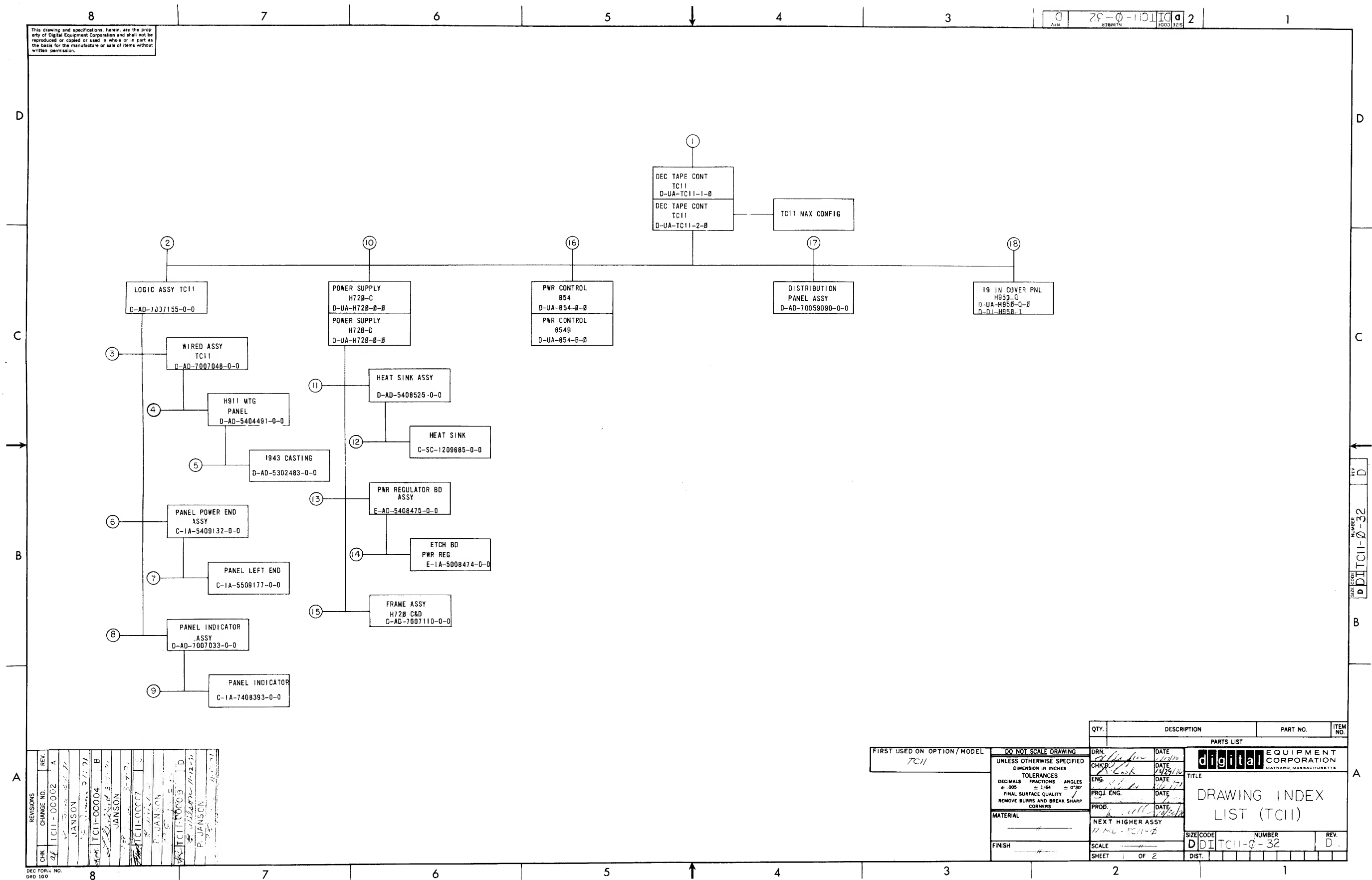
DIGITAL EQUIPMENT CORPORATION

MAYNARD, MASSACHUSETTS

PARTS LIST

MADE BY R. ROBICHAUD	CHECKED J. FLEMING	SECTION
DATE 10-22-70	DATE 10-26-70	1
ENG <i>E. P. Gordon</i>	PROD <i>W. Hall</i>	ISSUED SECT.
DATE <i>10/29/70</i>	DATE <i>10/30/70</i>	1

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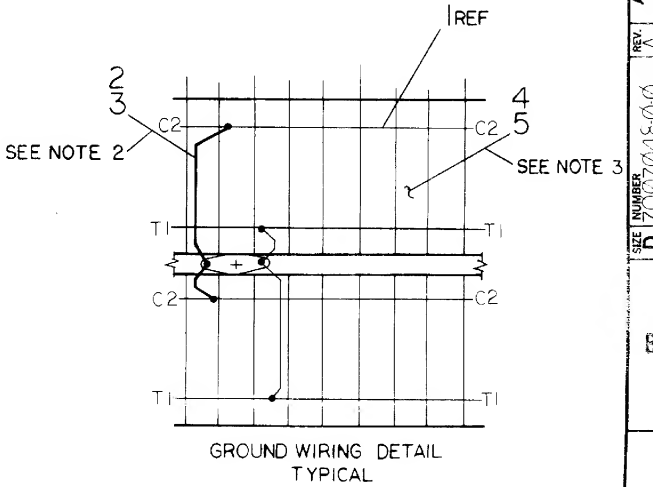
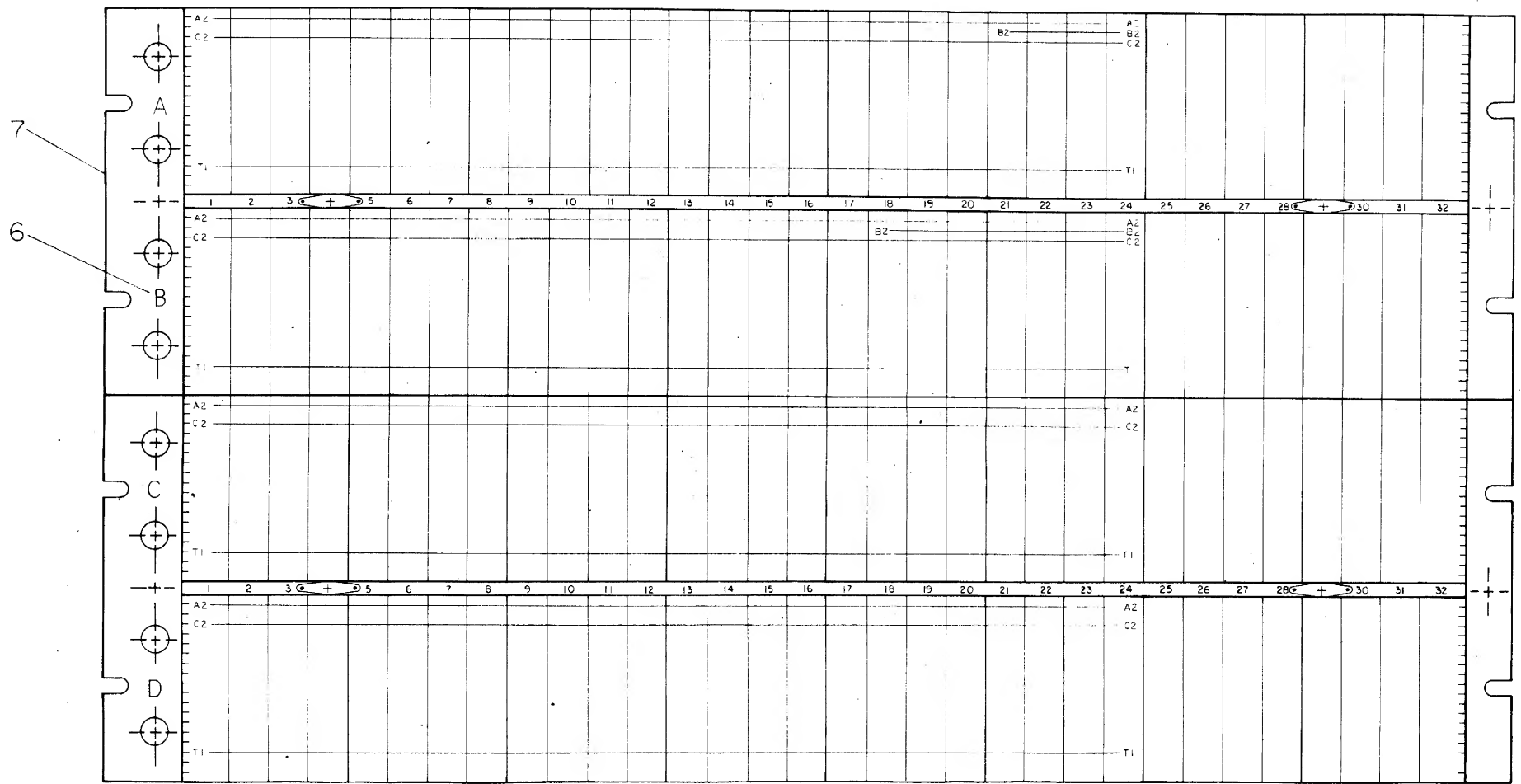


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WIRE TABLE				
ITEM NO	AWG	COLOR	FROM CONNECTION	TO CONNECTION
5	24	BLUE	A21B2	B21B2
5	24	BLUE	B24B2	C24V2
8	24	RED	A01A2	B01A2
8	24	RED	C01A2	D01A2
8	24	RED	B01A2	C01A2
8	24	RED	A A2	B24A2
8	24	RED	C24A2	D24A2
8	24	RED	B24A2	C24A2

- NOTES:
1. CONNECTIONS ON ITEM NUMBER 1 & 2 TO BE LOCATED AND SOLDERED AT MINIMUM PRACTICAL HEIGHT ABOVE BLOCKS.
 2. ALL CONNECTOR BLOCKS TO BE GROUNDED TO GROUND LUGS AS SHOWN, 4 PLACES.
 3. USE YELLOW WIRE (ITEM#4) FOR MACHINE WRAPPED AND BLUE WIRE (ITEM#5) FOR HAND WRAPPED WIRING.



REVISIONS	CHANGE NO.	REV.
CHK	1001-00002	A
GP		
JANSON		
2/2/71		

FIRST USED ON OPTION/MODEL PDP-11	QTY.	DESCRIPTION	PART NO.	ITEM NO.
DO NOT SCALE DRAWING	DRN	DATE	PARTS LIST	
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES	CHK'D	DATE	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
TOLERANCES DECIMALS FRACTIONS ANGLES = .005 = 1/64 = 0°30'	ENG.	DATE	TITLE WIRED ASS'Y TC11	
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	PROJ. ENG.	DATE	SIZE/CODE D AD 70074-00	
MATERIAL	PROD.	DATE	NUMBER REV. A	
NEXT HIGHER ASSY	SCALE NONE	SHEET OF		

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D

C

A

B

FIRST USED ON OPTION/MODEL
PDP-11

DO NOT SCALE DRAWING
UNLESS OTHERWISE SPECIFIED
DIMENSION IN INCHES
TOLERANCES
DECIMALS FRACTIONS ANGLES
± .005 ± 1/64 ± 0°30'
FINAL SURFACE QUALITY
REMOVE BURRS AND BREAK SHARP CORNERS

MATERIAL

FINISH

DRN.
CHK'D.
ENG.
PROJ. ENG.
PROD.

DATE
DATE
DATE
DATE
DATE

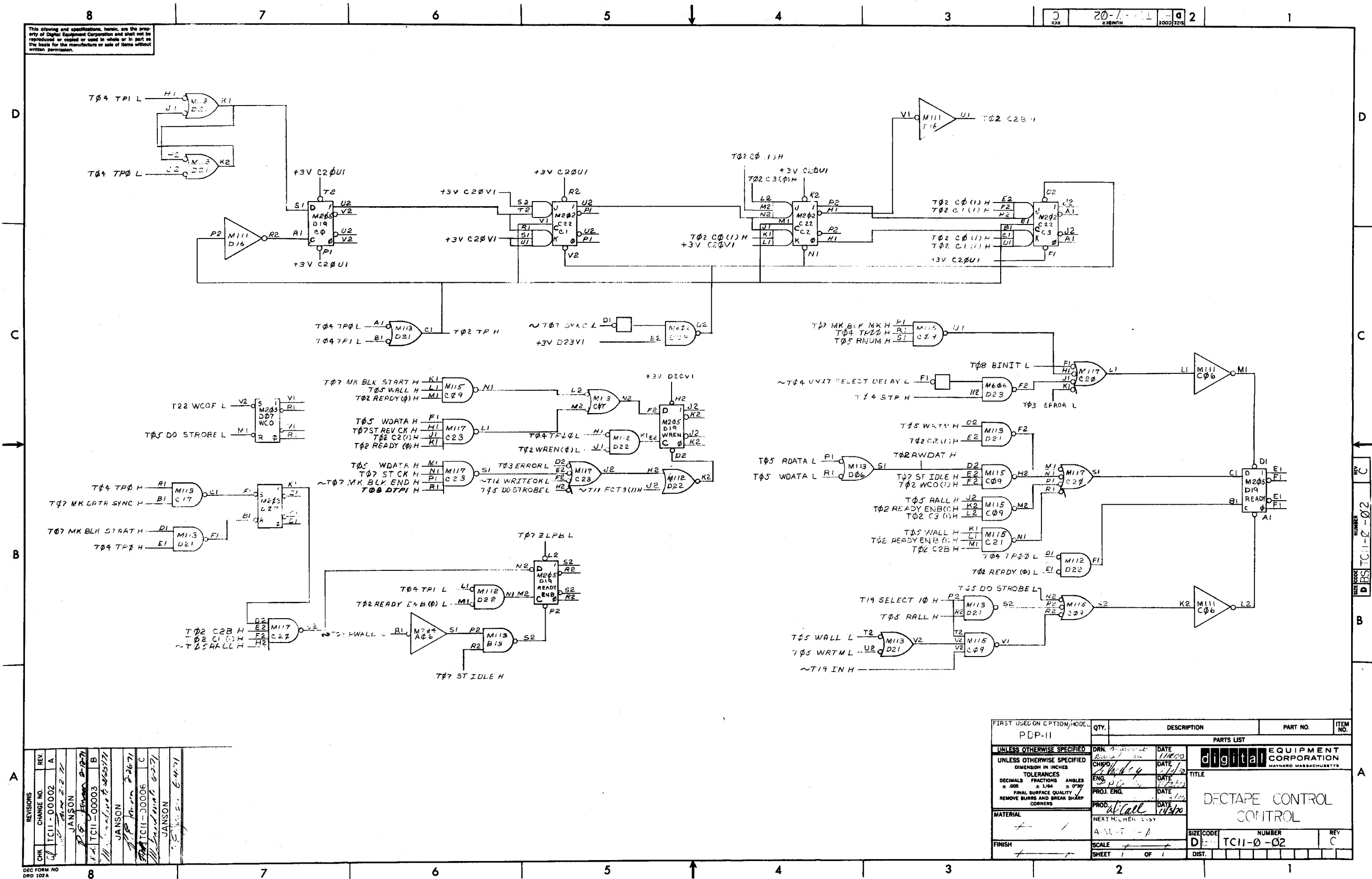
TITLE
digital EQUIPMENT CORPORATION
WAYLAND MASSACHUSETTS
MODULE UTILIZATION

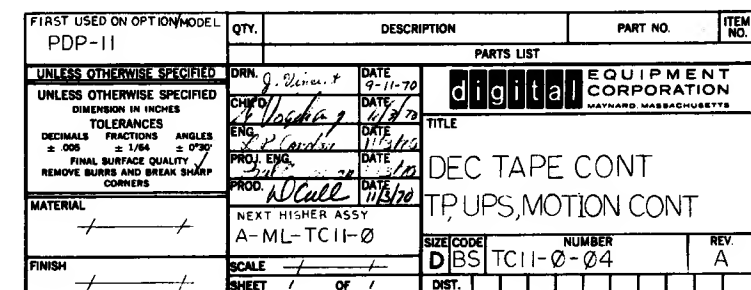
SHEET 2 OF 2

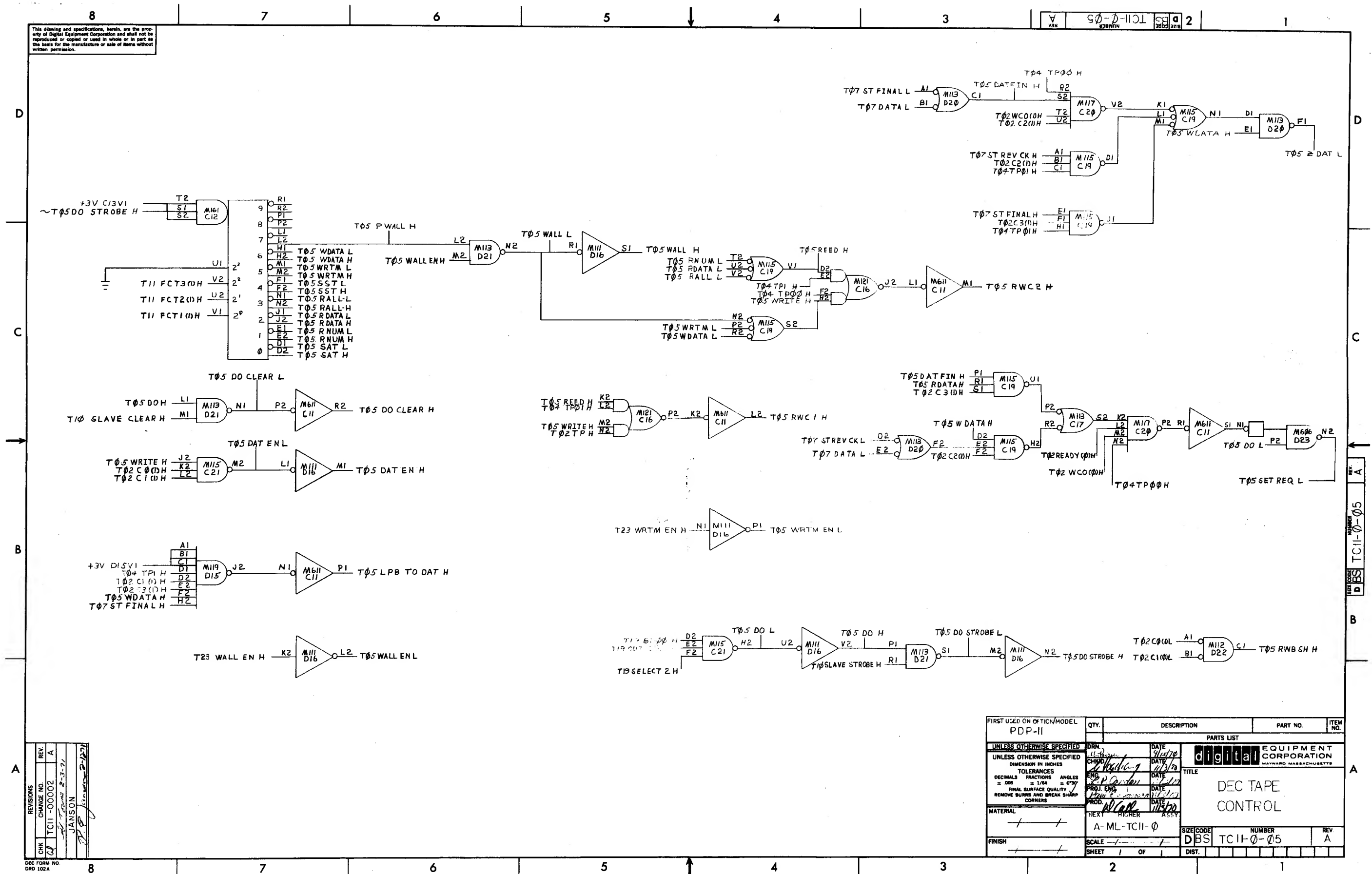
REV. L

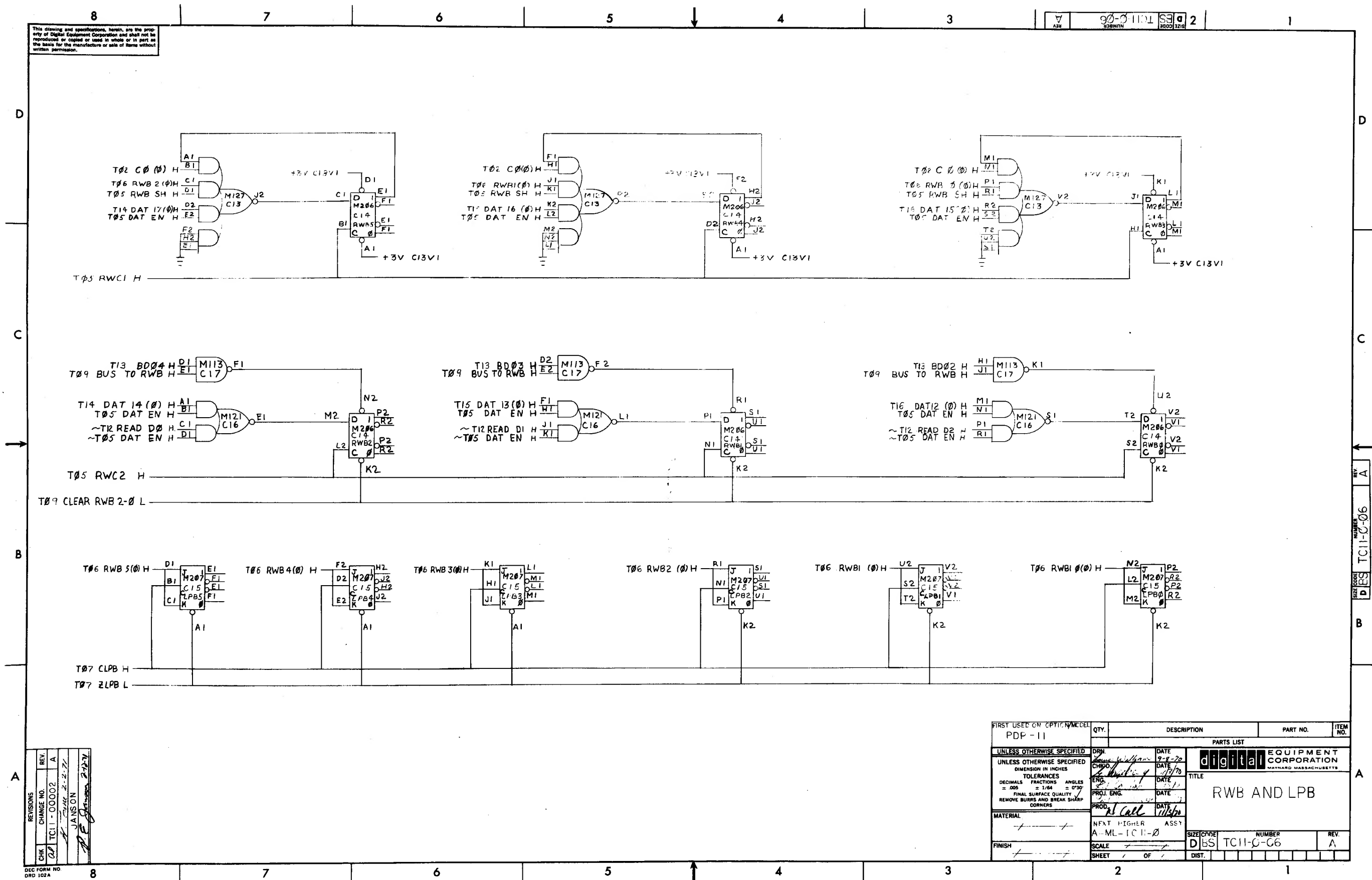
DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS									
PARTS LIST									
MADE BY KAREN KRYSIAK		CHECKED M. MACKENZIE		SECTION					
DATE 9-17-70		DATE 10-19-70		1					
ENG <i>R.P. Gordon</i>		PROD <i>Call</i>		ISSUED SECT.					
DATE 11/3/70		DATE 11/3/70		1					
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION				QUANTITY / VARIATION			
	G736	JUMPER MODULE				1			
	G879	TRANSPORT DETECTOR				1			
	G888	MANCHESTER READER/WRITER				5			
	M050	50MA INDICATOR DRIVER				1			
	M105	ADDRESS SELECTOR MODULE (REV "C"BEYOND)				1			
	M111	INVERTER				3			
	M112	NOR GATE				3			
	M113	TEN 2-INPUT NAND GATES				8			
	M115	EIGHT 3-INPUT NAND GATES				5			
	M117	SIX 4-INPUT NAND GATES				3			
	M119	THREE 8-INPUT NAND GATES				1			
	M121	AND/NOR GATE				5			
	M127	2-2-2-3 AND/NOR GATE				1			
	M149	9 x 2 NAND WIRED OR MATRIX				2			
	M161	BINARY TO OCTAL/DECIMAL DECODER				2			
	M202	J-K FLIP-FLOP				1			
	M203	8 R/S FLIP-FLOP				1			
	M205	5 "D" FLIP-FLOP				6			
	M206	GENERAL PURPOSE FLIP-FLOP				2			
	M207	GENERAL PURPOSE FLIP-FLOP				1			
	M228	MARK TRACK DECODER				1			
	M239	THREE 4-BIT COUNTER/REGISTER				1			
TITLE		MODULE UTILIZATION		ASSY NO. D-MU-TC11-0-01		SIZE CODE A PL		NUMBER TC11-0-01	
				SHEET 1 OF 2		DIST.		REV. ECO NO. E 00011	

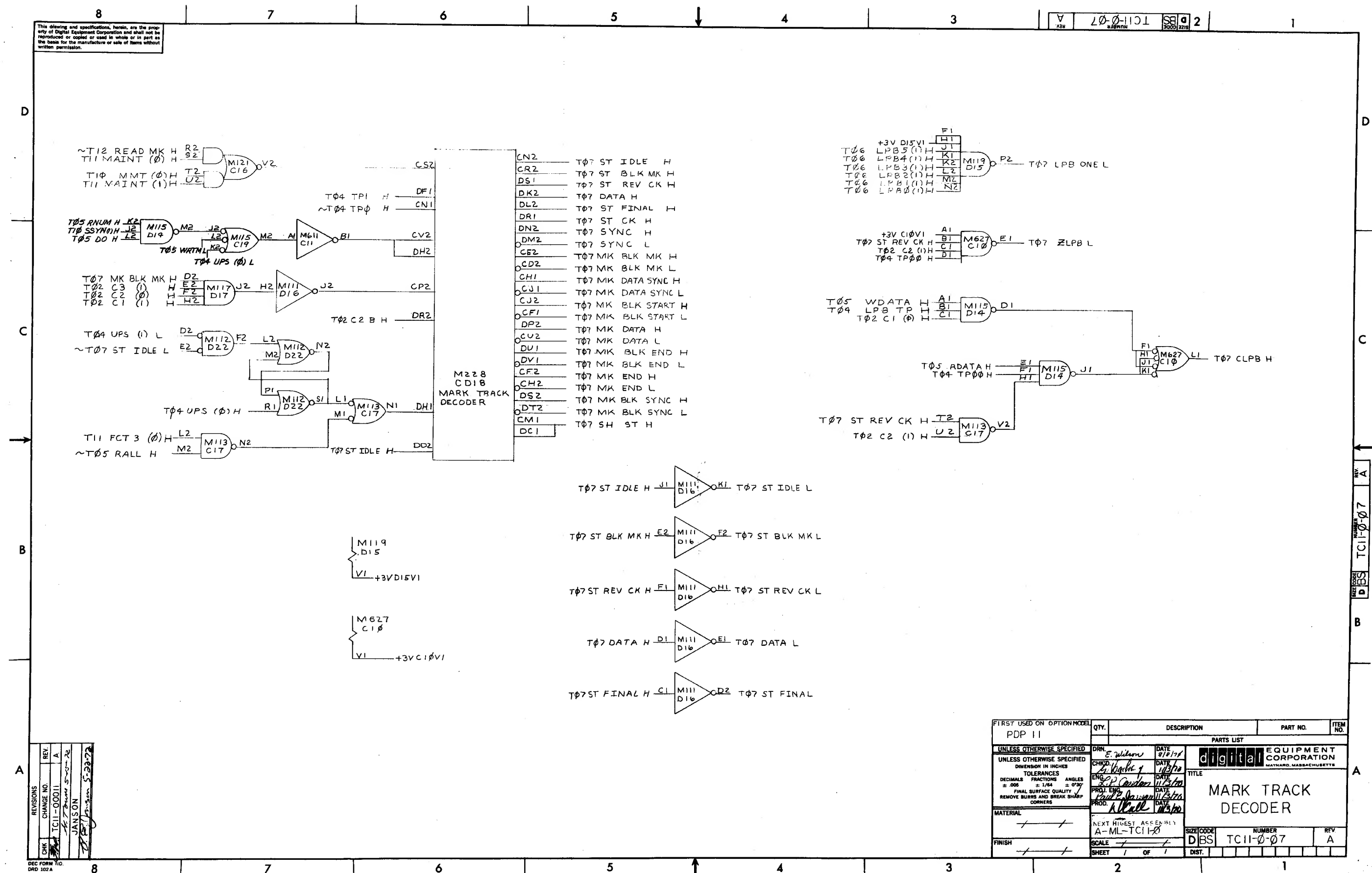
DIGITAL EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS									
PARTS LIST									
MADE BY KAREN KRYSIAK		CHECKED M. MACKENZIE		SECTION					
DATE 9-17-70		DATE 10-19-70		1					
ENG <i>R.P. Gordon</i>		PROD <i>Call</i>		ISSUED SECT.					
DATE 11/3/70		DATE 11/3/70		1					
ITEM NO.	DWG NO. / PART NO.	DESCRIPTION				QUANTITY / VARIATION			
	M302	DUAL DELAY MULTIVIBRATOR				2			
	M307	INTERGRATING ONE SHOT				4			
	M502	NEGATIVE INPUT CONVERTER				1			
	M602	PULSE AMPLIFIER				1			
	M606	PULSE GENERATOR				1			
	M611	HIGH - SPEED POWER INVERTER				2			
	M627	NAND POWER AMPLIFIER				1			
	M796	UNIBUS MASTER CONTROL				1			
	M798	UNIBUS DRIVER				1			
	M7821	INTERRUPT CONTROL MODULE				1			
	M783	UNIBUS TRANSMITTER MODULE				2			
	M784	UNIBUS RECEIVER MODULE				2			
	M795	WC & BA MODULE				1			
	M141	AND/NOR GATES				1			
	5408780	PRIORITY JUMPER LEVEL # 6				1			
TITLE		MODULE UTILIZATION		ASSY NO. D-MU-TC11-0-01		SIZE CODE A PL		NUMBER TC11-0-01	
				SHEET 2 OF 2		DIST.		REV. ECO NO. E	

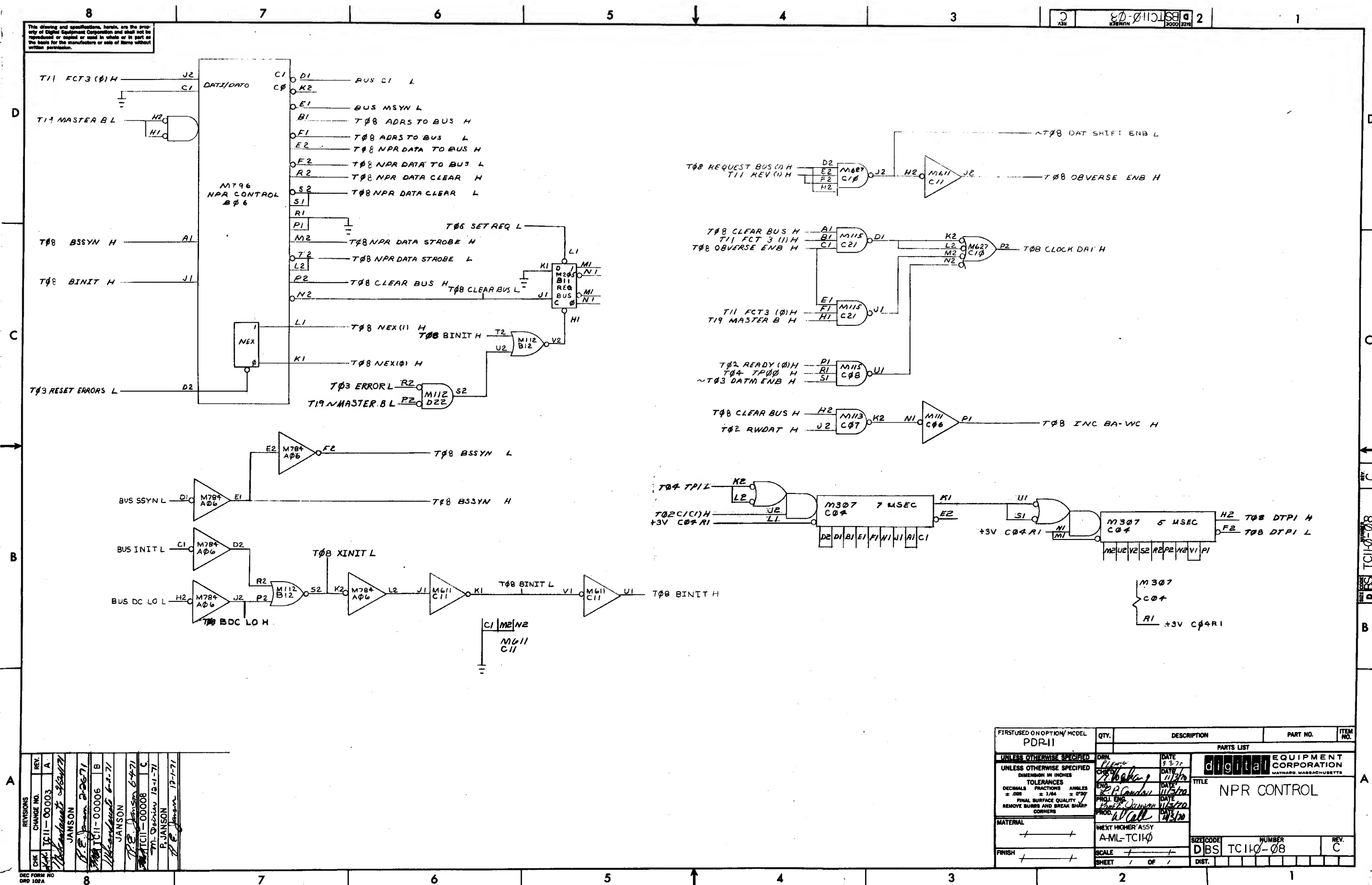




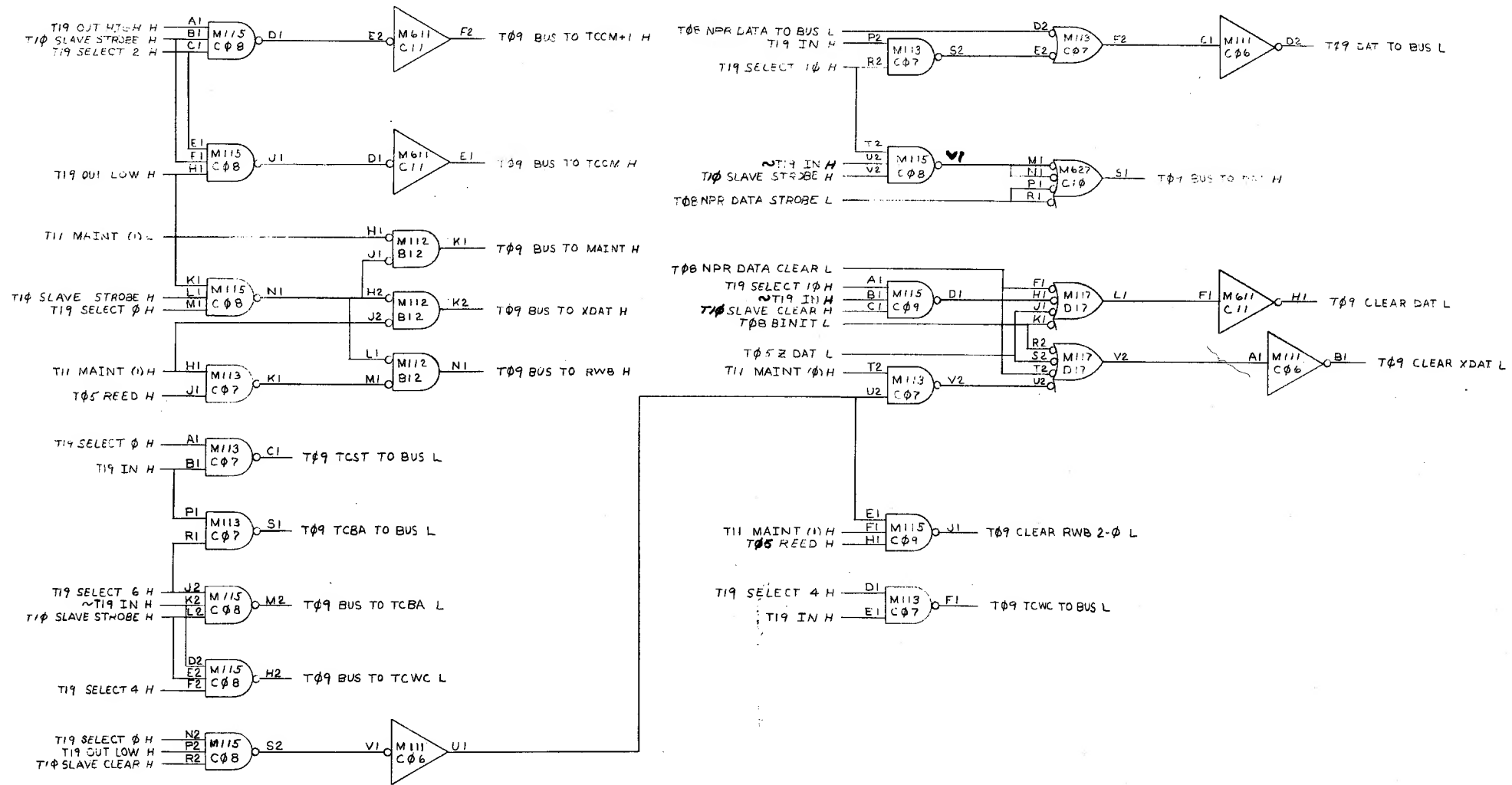




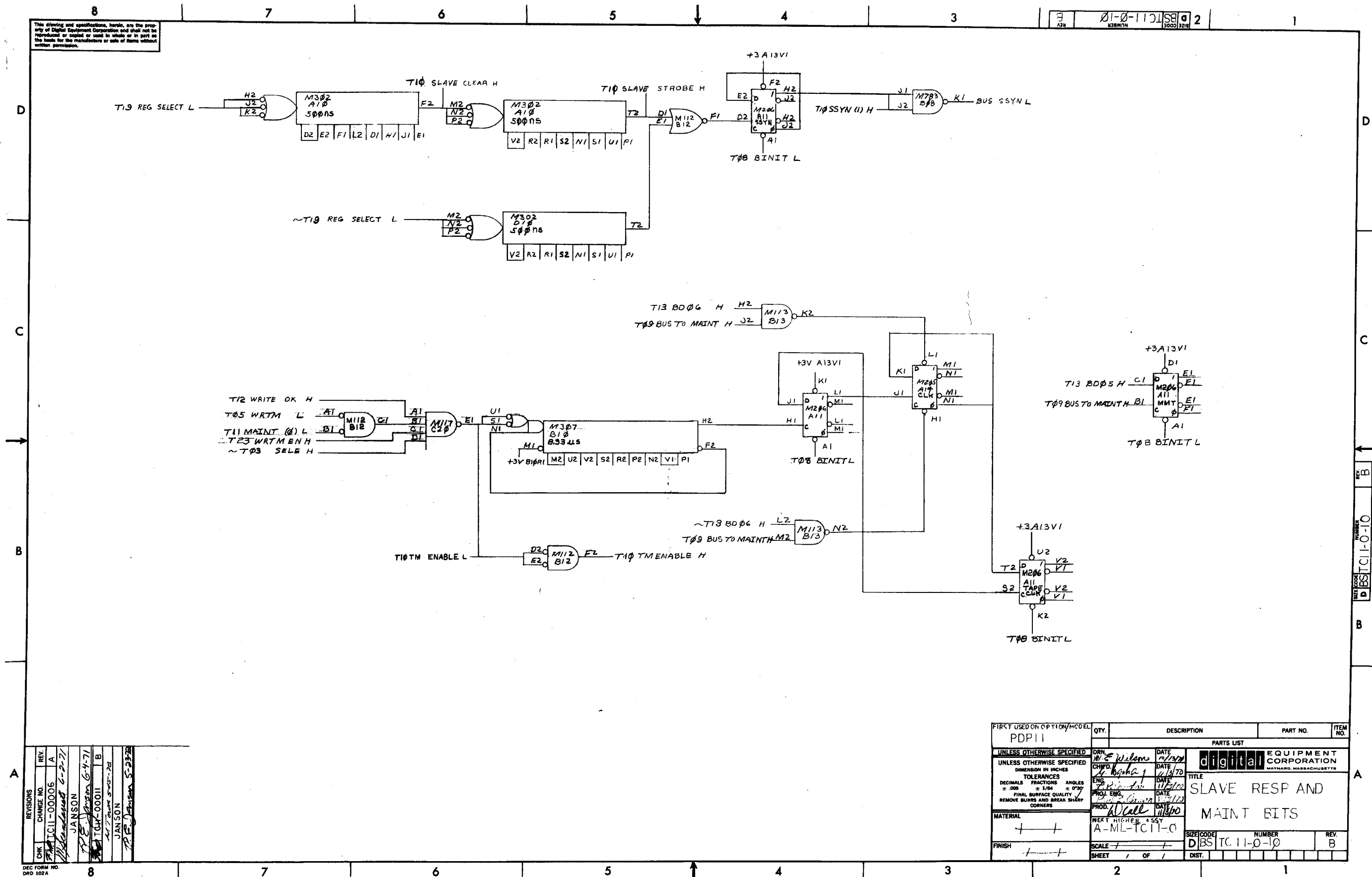


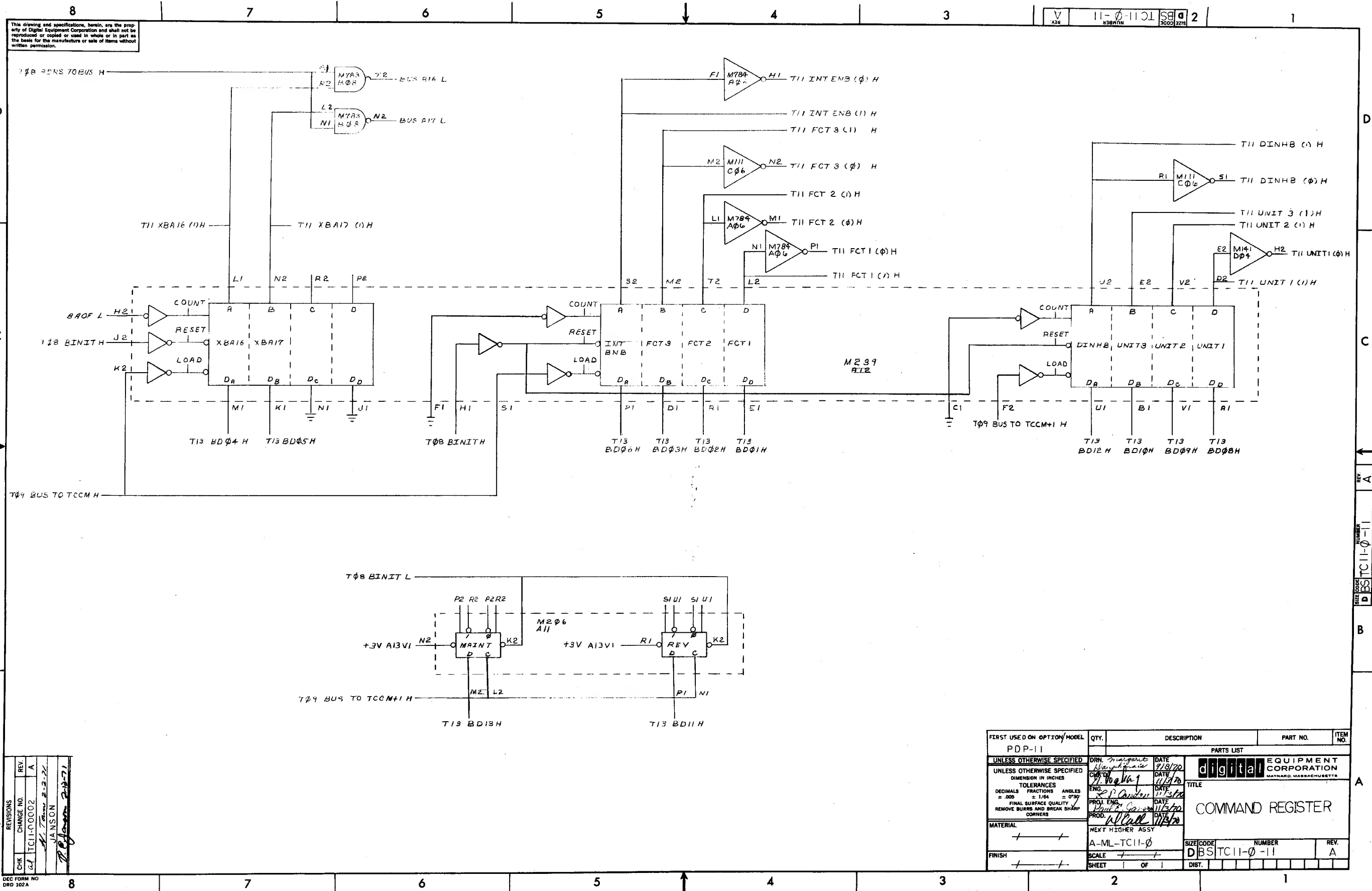


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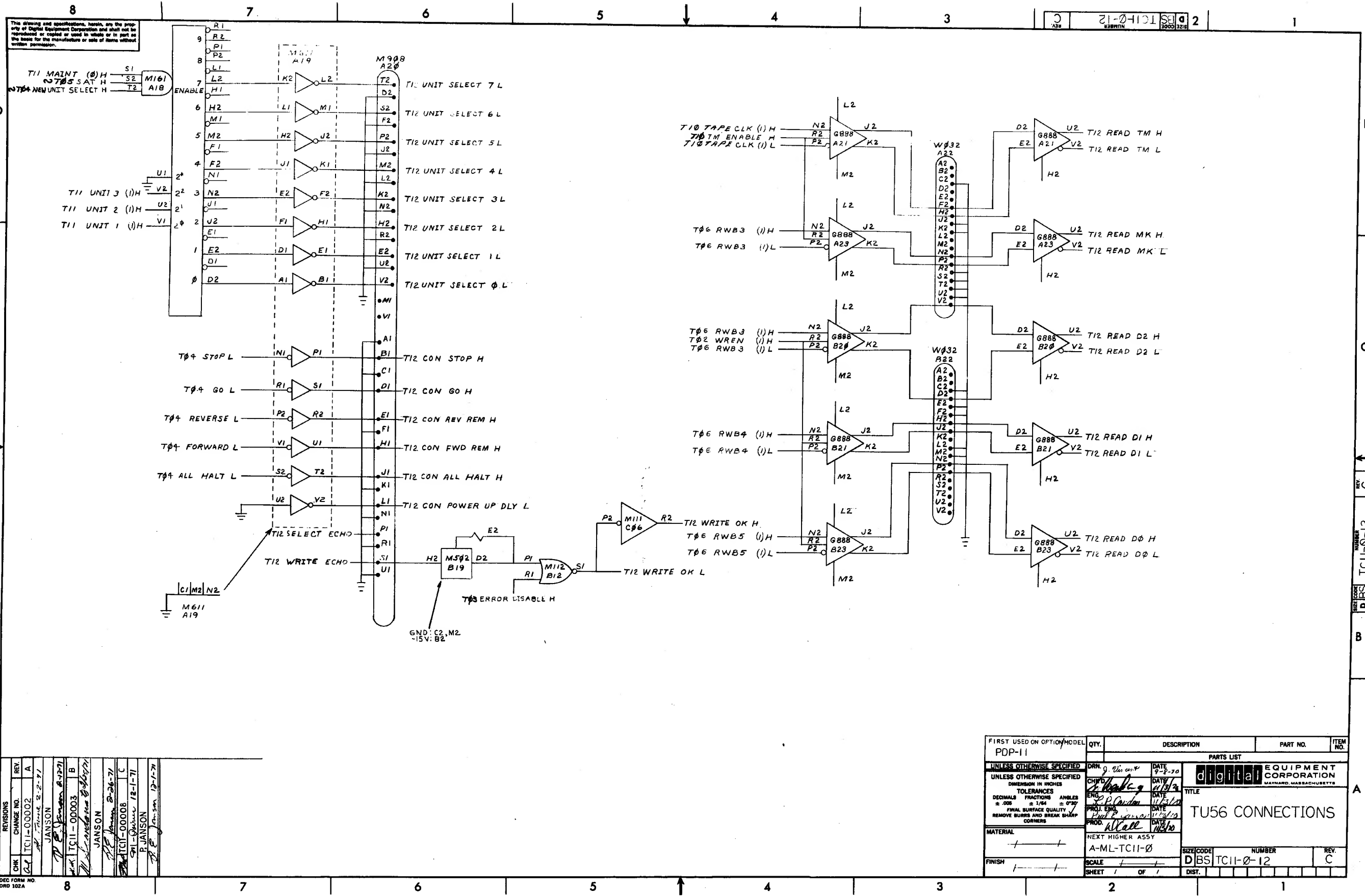
FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP-11					
UNLESS OTHERWISE SPECIFIED		DRN	DATE	PARTS LIST	
UNLESS OTHERWISE SPECIFIED		CHFD	DATE	digital EQUIPMENT CORPORATION	
DIMENSION IN INCHES		ENG	DATE	MAYNARD, MASSACHUSETTS	
TOLERANCES		PROL ENG	DATE	TITLE	
DECIMALS FRACTIONS ANGLES		PROD	DATE	REGISTER CONTROL	
± .005 ± 1/64 ± .000				SIZE CODE NUMBER REV.	
FINAL SURFACE QUALITY				D BS TC11-0-09	
REMOVE BURRS AND BREAK SHARP CORNERS				DST.	
MATERIAL		NEXT HIGHER ASSY			
FINISH		A-ML-TC11-0			
SCALE		SHEET 1 OF 1			





REV.	CHG.	NO.	DATE
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8

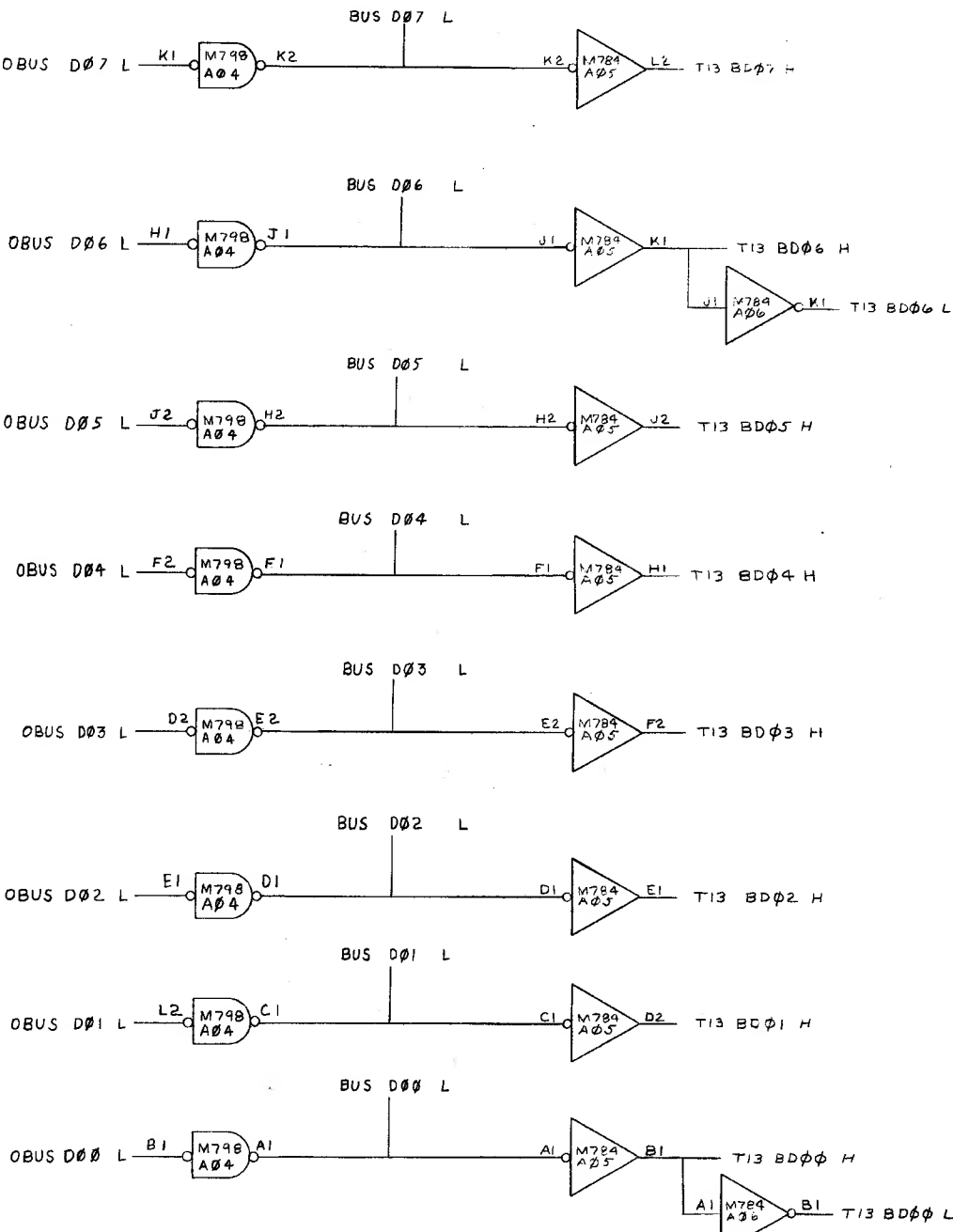
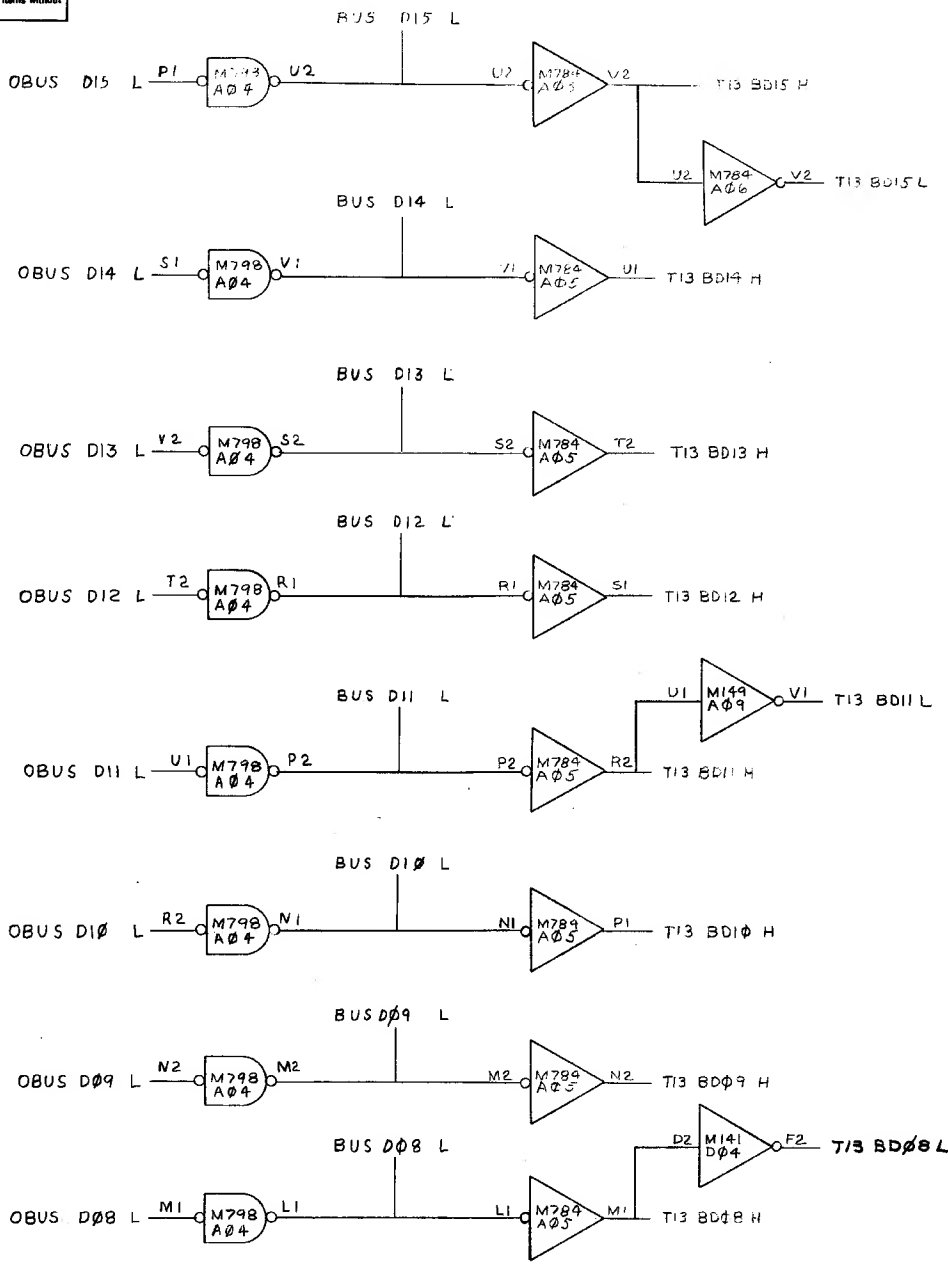
FIRST USED ON OPTION/MODEL PDP-11	QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED	DRN. <i>Margaret</i>	DATE <i>11/18/70</i>	PARTS LIST	
UNLESS OTHERWISE SPECIFIED	DATE <i>11/18/70</i>	DATE <i>11/18/70</i>	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	
TOLERANCES DECIMALS FRACTIONS ANGLES ± .005 ± 1/64 ± 0°30'	ENG. <i>R. P. Gaudin</i>	DATE <i>11/18/70</i>	TITLE COMMAND REGISTER	
FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS	PROJ. ENG. <i>Paul E. Gaudin</i>	DATE <i>11/18/70</i>		
MATERIAL	PROD. <i>W. C. Call</i>	DATE <i>11/18/70</i>		
FINISH	NEXT HIGHER ASSY A-ML-TC11-0	SCALE <i>1" = 1"</i>	SIZE/CODE DBS/TC11-0-11	REV. A
SHEET <i>1</i> OF <i>1</i>		DIST.		



REV	DATE	BY	CHK
1	12-1-71	JANSON	
2	12-1-71	JANSON	
3	12-1-71	JANSON	
4	12-1-71	JANSON	
5	12-1-71	JANSON	
6	12-1-71	JANSON	
7	12-1-71	JANSON	
8	12-1-71	JANSON	

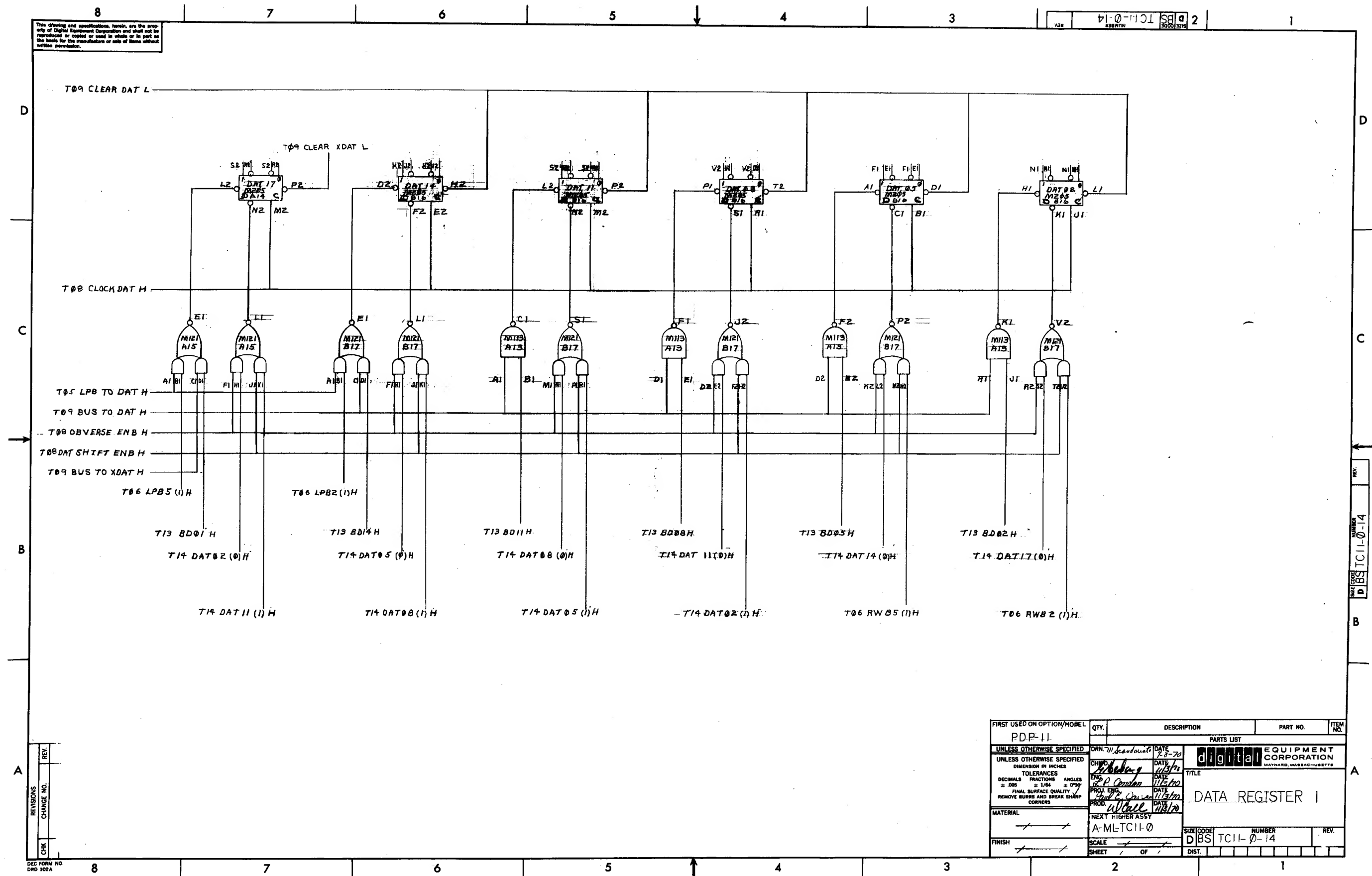
FIRST USED ON OPTION MODEL PDP-11		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED		PARTS LIST			
UNLESS OTHERWISE SPECIFIED		digital EQUIPMENT CORPORATION			
DIMENSION IN INCHES		TITLE			
TOLERANCES		TU56 CONNECTIONS			
DECIMALS FRACTIONS ANGLES		SIZE CODE NUMBER REV.			
± .005 ± .004 ± .003		D/BS TC11-0-12 C			
FINAL SURFACE QUALITY		SHEET 1 OF 1			
REMOVE BURRS AND BREAK SHARP CORNERS					
MATERIAL		NEXT HIGHER ASSY			
FINISH		A-ML-TC11-0			

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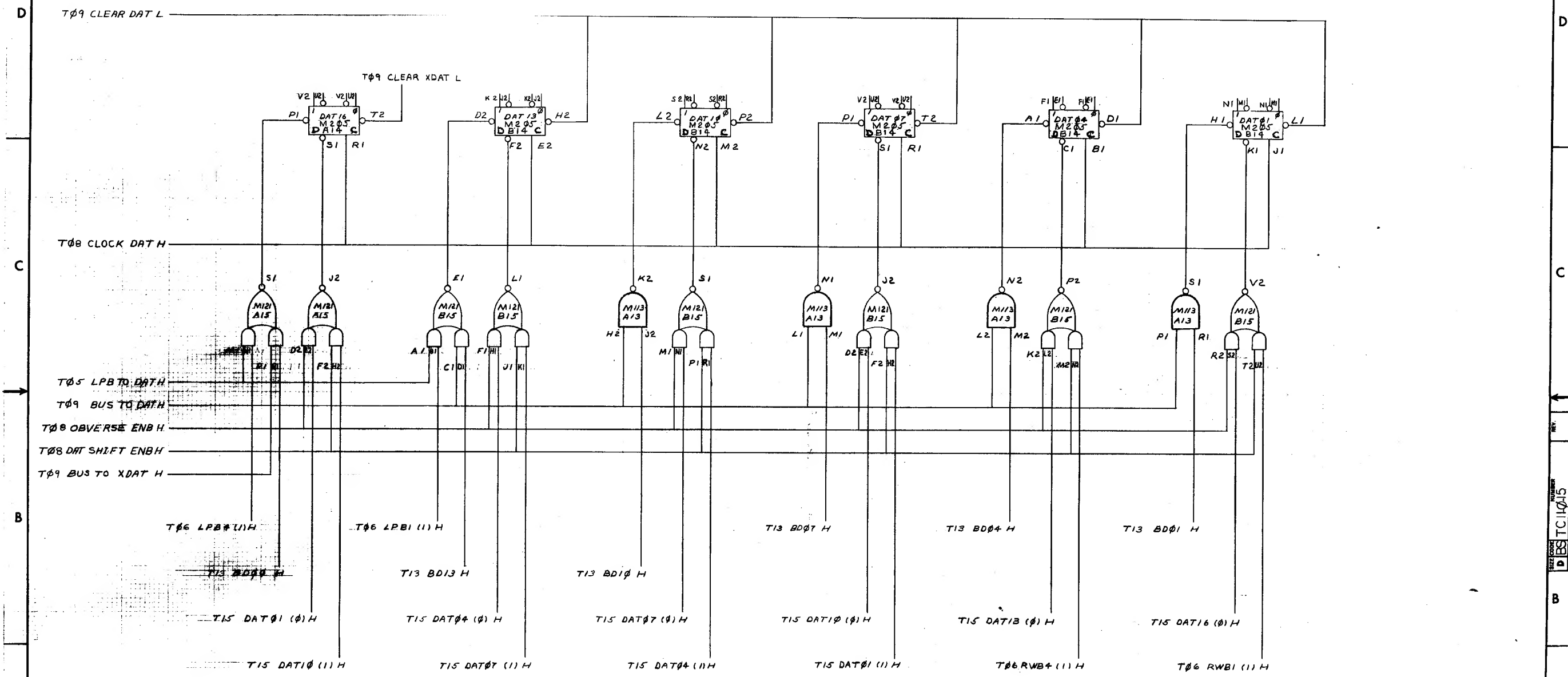
FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP-11					
UNLESS OTHERWISE SPECIFIED		DATE	PARTS LIST		
DIMENSION IN INCHES		11/3/70	digital EQUIPMENT CORPORATION		
TOLERANCES		DATE	MAYNARD, MASSACHUSETTS		
DECIMALS FRACTIONS ANGLES		11/3/70	TITLE		
± .005 ± 1/64 ± 0°30'		11/3/70	UNIBUS DRIVERS AND RECEIVERS		
FINAL SURFACE QUALITY		DATE	SIZE/CODE		
REMOVE BURRS AND BREAK SHARP CORNERS		11/3/70	D/BS TC11-0-13		
MATERIAL		DATE	REV.		
FINISH		11/3/70	SHEET 1 OF 1		
NEXT HIGHER ASSY		SCALE			
A-MLTC11-0		DIST.			

REV. 13
TC11-0-13
D/BS



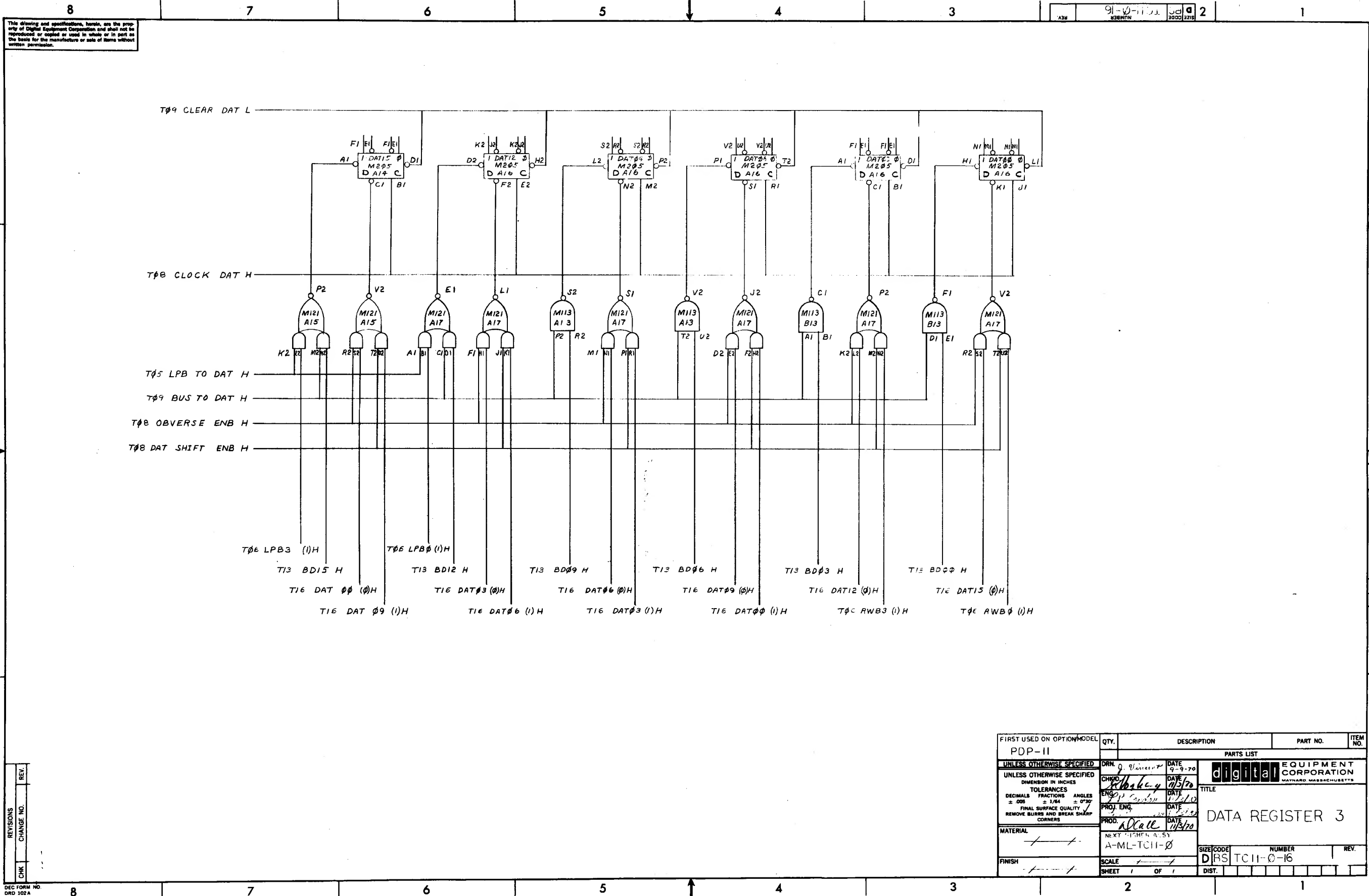
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REV. 1
DATE 11/10/70
BY J. B. S. / J. B. S.
CHECKED BY J. B. S. / J. B. S.
APPROVED BY J. B. S. / J. B. S.

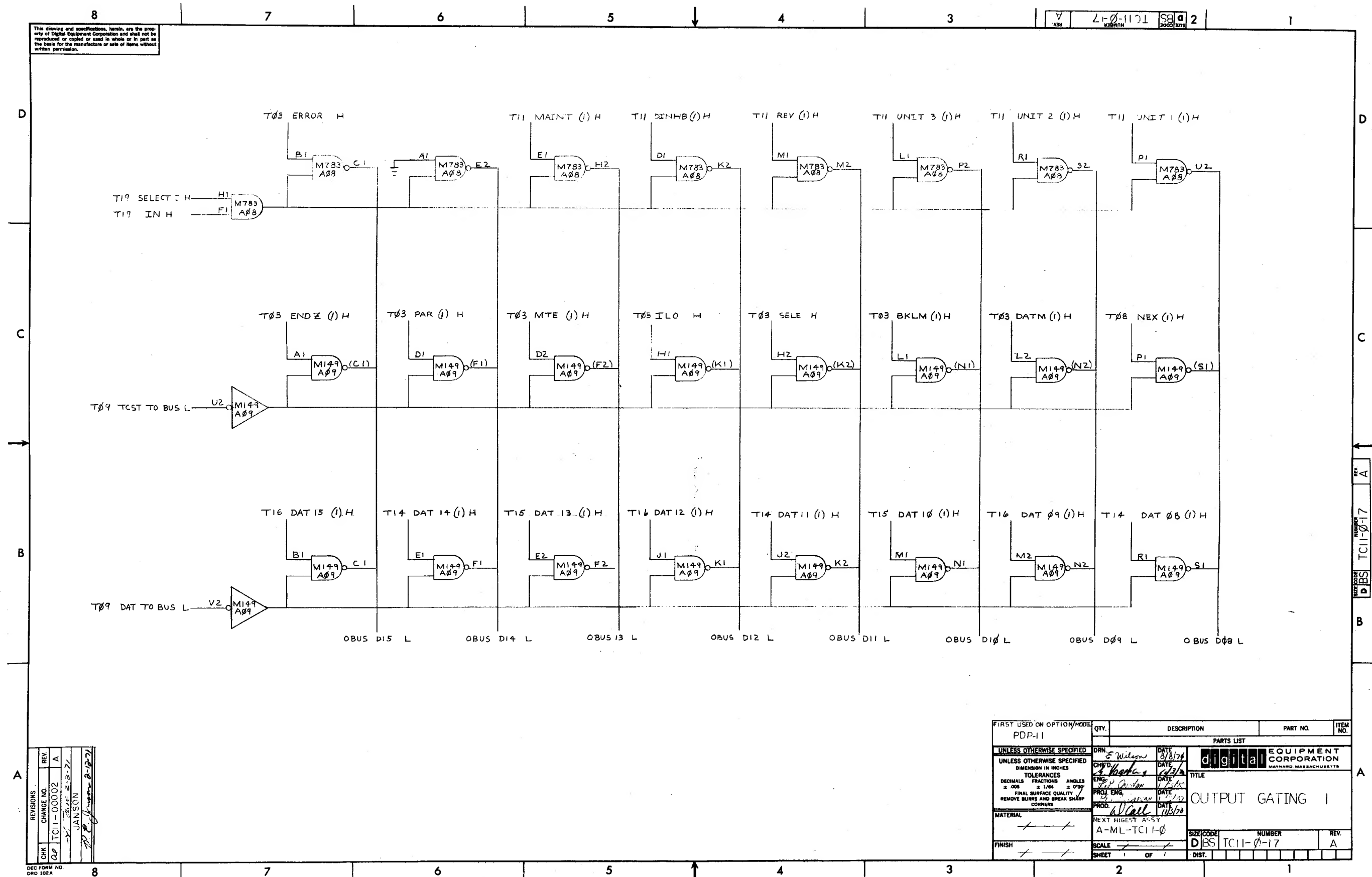


REV.	CHANGE NO.
1	1

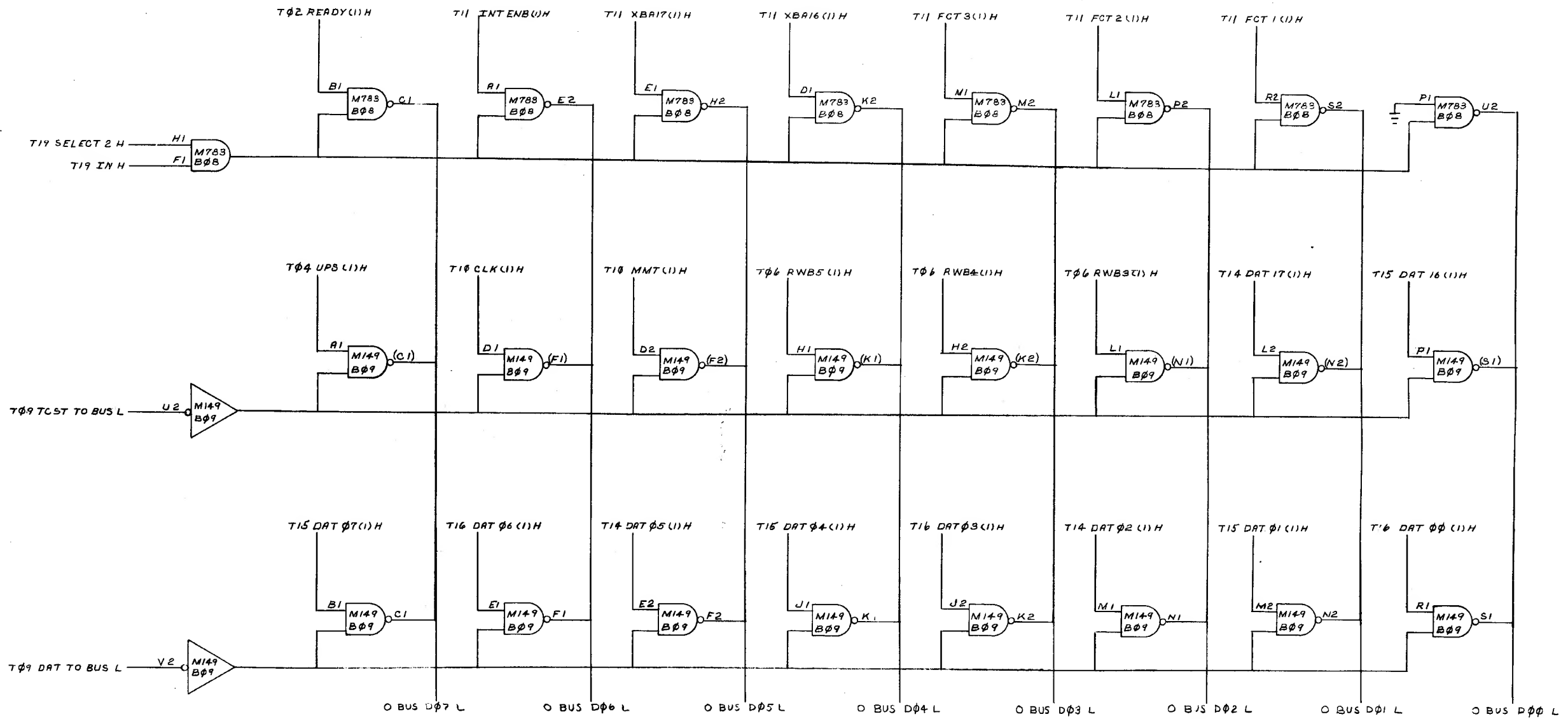
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UNLESS OTHERWISE SPECIFIED		PARTS LIST			
UNLESS OTHERWISE SPECIFIED		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
DIMENSION IN INCHES		TITLE DATA REGISTER 2			
TOLERANCES		DATE 11/10/70			
DECIMALS FRACTIONS ANGLES		DATE 11/10/70			
± .005 ± 1/64 ± 0°30'		DATE 11/10/70			
FINAL SURFACE QUALITY		DATE 11/10/70			
REMOVE BURRS AND BREAK SHARP CORNERS		DATE 11/10/70			
MATERIAL		NEXT HIGHER ASSY AML-TC11-0			
FINISH		SCALE SHEET 1 OF 1			
SIZE CODE D BS TC11-015		NUMBER REV.			



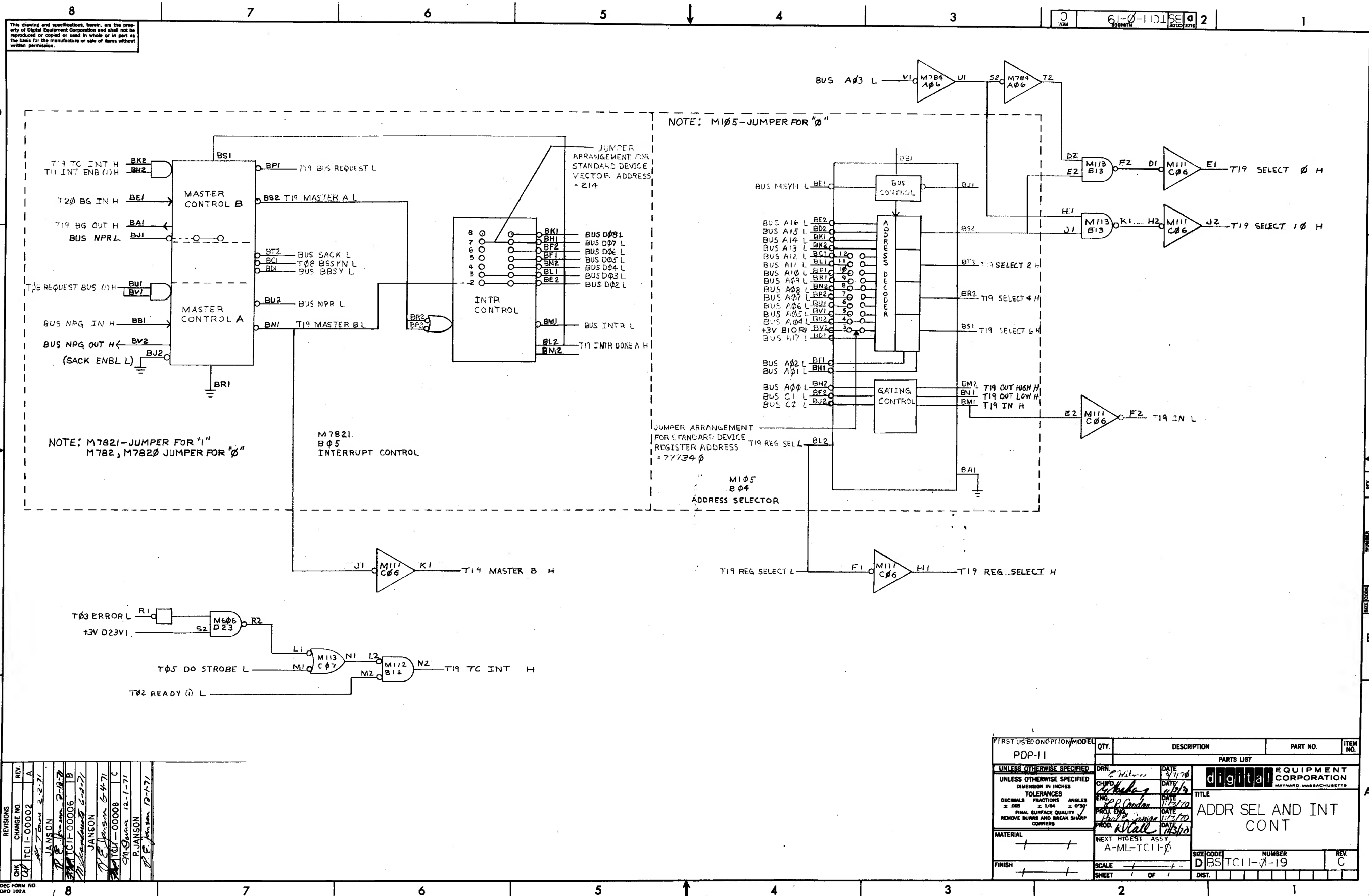
FIRST USED ON OPTION MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP-11					
UNLESS OTHERWISE SPECIFIED		PARTS LIST			
UNLESS OTHERWISE SPECIFIED		digital EQUIPMENT CORPORATION			
DIMENSION IN INCHES		MAYNARD, MASSACHUSETTS			
TOLERANCES		TITLE			
DECIMALS FRACTIONS ANGLES		DATA REGISTER 3			
± .005 ± .005 ± .005		SIZE CODE NUMBER REV.			
FINAL SURFACE QUALITY		D1RS TC11-0-16			
REMOVE BURRS AND BREAK SHARP CORNERS		DIST.			
MATERIAL		SCALE			
FINISH		SHEET 1 OF 1			



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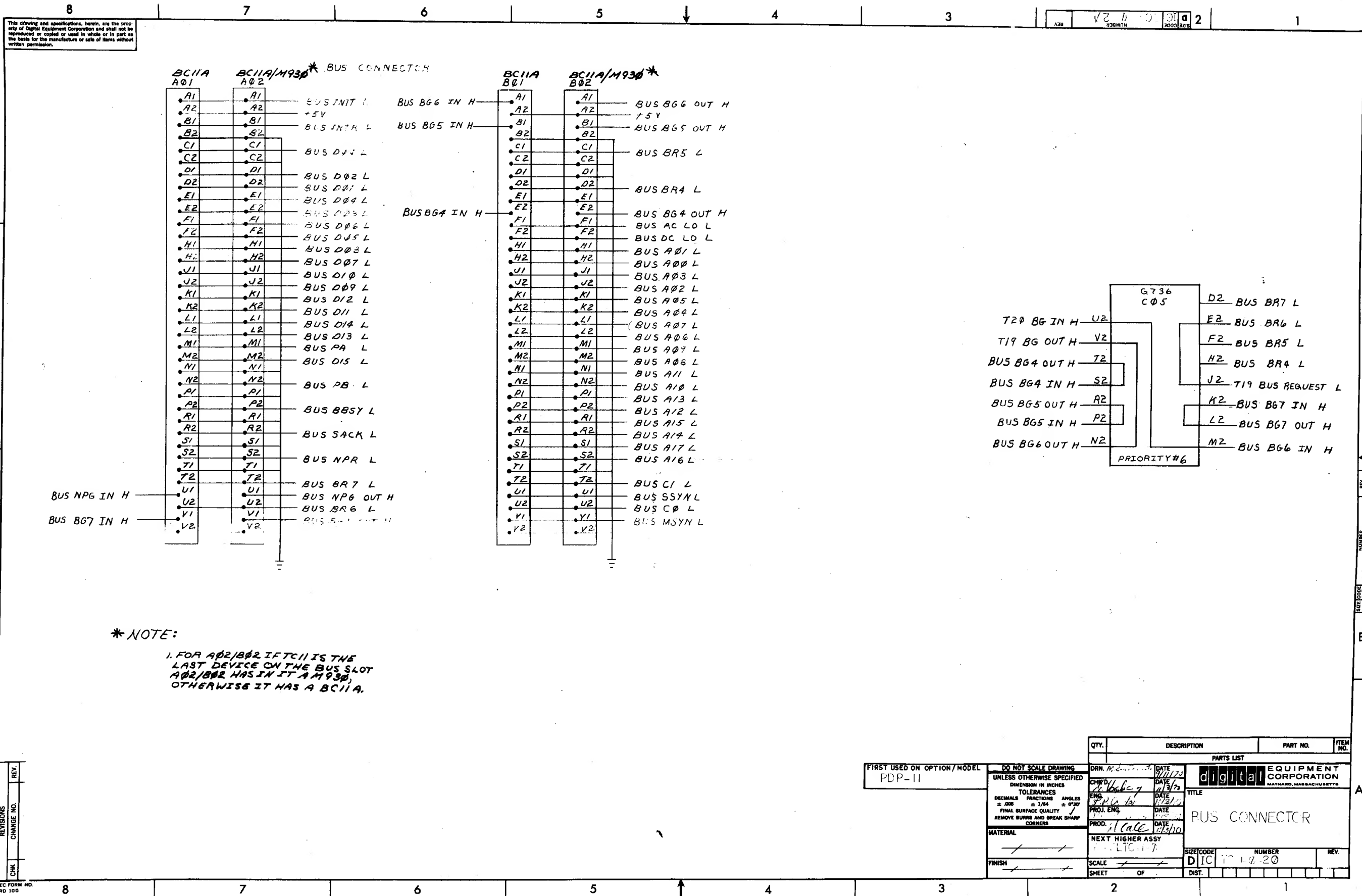


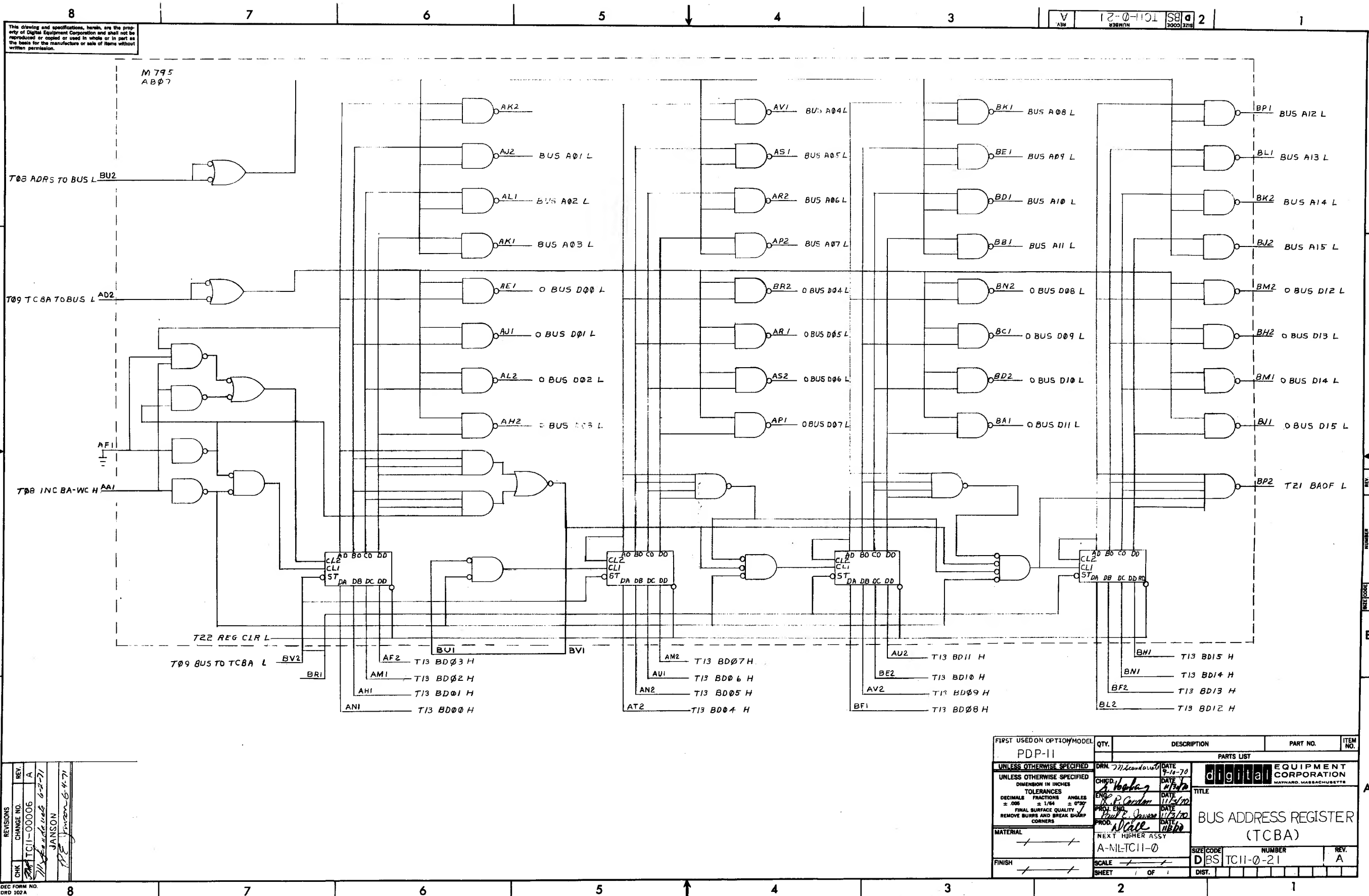
FIRST USED ON OPTION/MODEL		QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP-11					
UNLESS OTHERWISE SPECIFIED		PARTS LIST			
UNLESS OTHERWISE SPECIFIED		digital EQUIPMENT CORPORATION			
DIMENSION IN INCHES		WAYNARD, MASSACHUSETTS			
TOLERANCES		TITLE			
DECIMALS FRACTIONS ANGLES		DATE 11/13/70			
± .005 ± 1/64 ± 0°30'		DATE 11/13/70			
FINAL SURFACE QUALITY		DATE 11/13/70			
REMOVE BURRS AND BREAK SHARP CORNERS		DATE 11/13/70			
MATERIAL		NEXT HIGHER ASSY			
FINISH		A-ML-TC11-0			
SCALE		SIZE CODE			
SHEET		NUMBER			
OF		REV.			
		D BS TC11-0-18			
		DIST.			



REV.	CHG.	NO.	DATE	BY	CHK.
1	1	1	12-1-71	JANSON	
2	2	2	12-1-71	JANSON	
3	3	3	12-1-71	JANSON	
4	4	4	12-1-71	JANSON	
5	5	5	12-1-71	JANSON	
6	6	6	12-1-71	JANSON	
7	7	7	12-1-71	JANSON	
8	8	8	12-1-71	JANSON	

FIRST USED OPTION/MODEL POP-11		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSION IN INCHES TOLERANCES DECIMALS FRACTIONS ANGLES ± .005 ± 1/64 ± 0°30' FINAL SURFACE QUALITY REMOVE BURRS AND BREAK SHARP CORNERS		DRN. CWD ENG. PROJ. ENG. PROD.	DATE DATE DATE DATE DATE	PARTS LIST digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS TITLE ADDR SEL AND INT CONT SIZE CODE NUMBER REV.	
MATERIAL FINISH		NEXT HIGHEST ASSY A-ML-TC11-0		SCALE SHEET OF	





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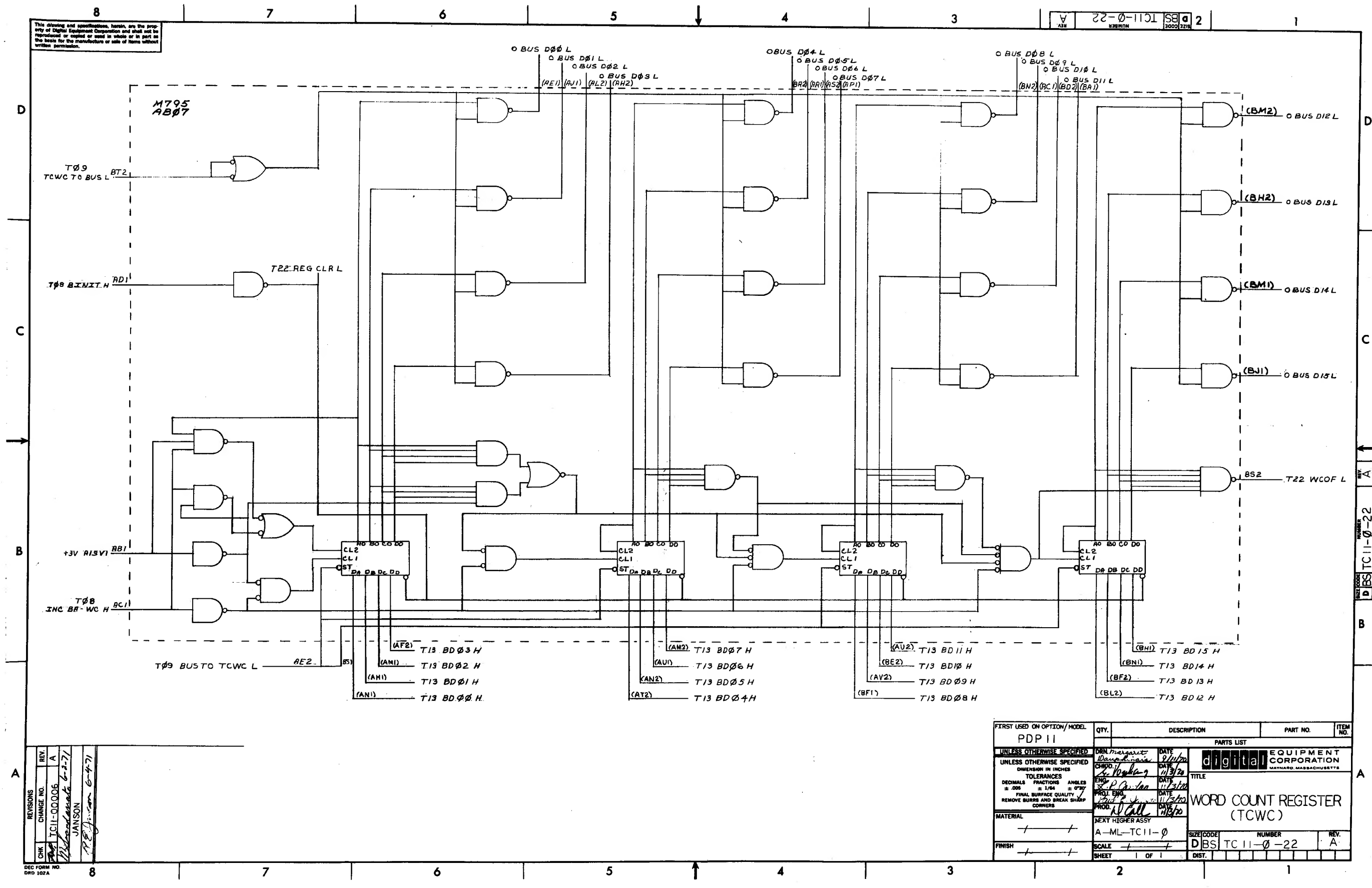
12-0-101 2

REV.	CHG. NO.	DATE
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2	00007	6-2-71
3	00008	6-2-71
4	00009	6-2-71
5	00010	6-2-71
6	00011	6-2-71
7	00012	6-2-71
8	00013	6-2-71

FIRST USED ON OPTION MODEL	QTY.	DESCRIPTION	PART NO.	ITEM NO.
PDP-11				
UNLESS OTHERWISE SPECIFIED	DRN. 77/10/10/10	DATE 7-10-70	PARTS LIST	
UNLESS OTHERWISE SPECIFIED	CHD. 1/10/10/10	DATE 7-10-70	digital EQUIPMENT CORPORATION	
UNLESS OTHERWISE SPECIFIED	ENG. 1/10/10/10	DATE 7-10-70	MAYNARD, MASSACHUSETTS	
UNLESS OTHERWISE SPECIFIED	PROD. 1/10/10/10	DATE 7-10-70	TITLE	
UNLESS OTHERWISE SPECIFIED	SCALE 1/10/10/10	DATE 7-10-70	BUS ADDRESS REGISTER (TCBA)	
UNLESS OTHERWISE SPECIFIED	FINISH 1/10/10/10	DATE 7-10-70	A-ME-TC11-0	
UNLESS OTHERWISE SPECIFIED	SHEET 1 OF 1	DATE 7-10-70	REV. A	

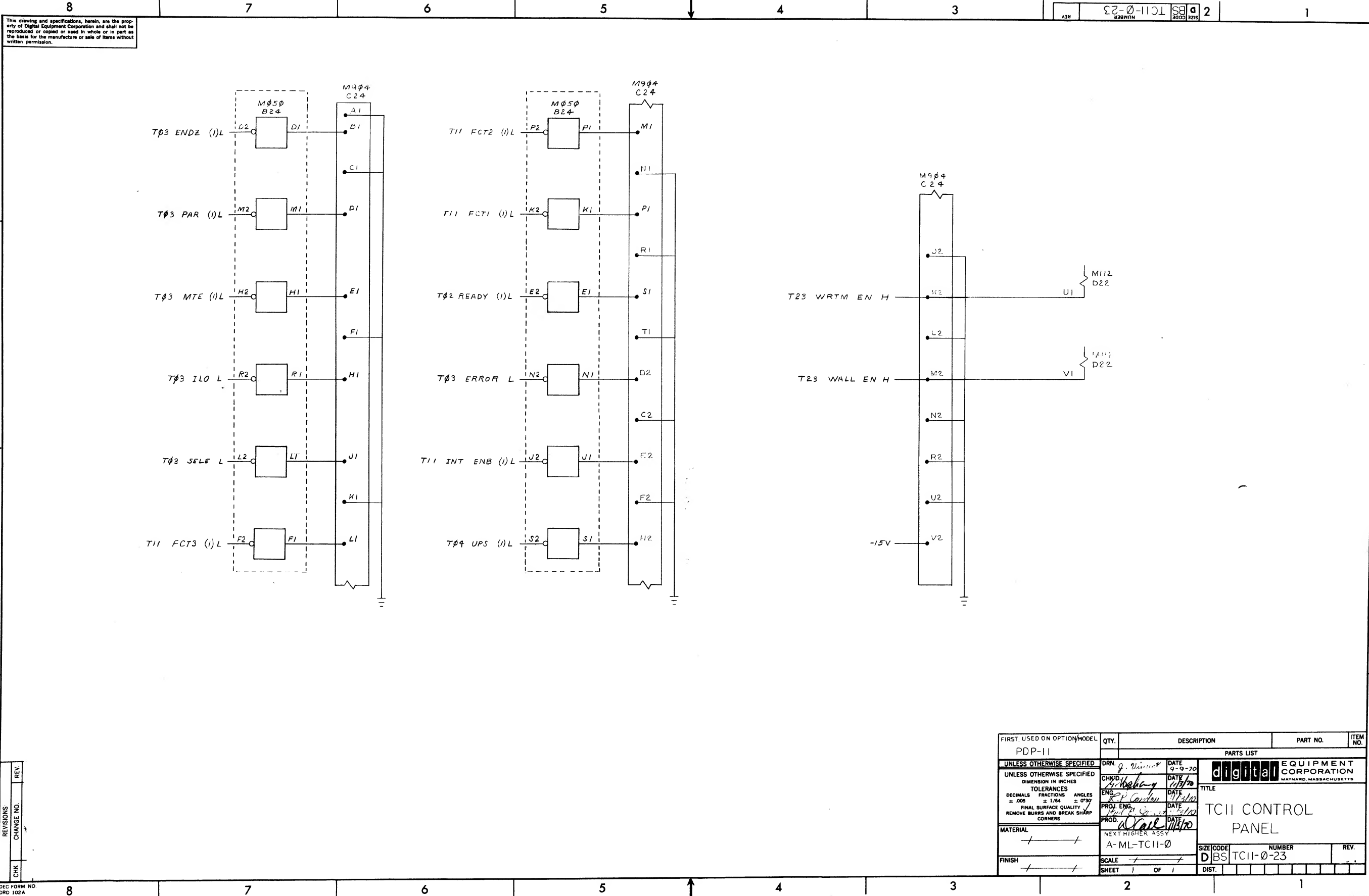
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22-0-1101 2



REV.	CHG.	NO.
A	1	1
B	2	2
C	3	3
D	4	4

FIRST USED ON OPTION/MODEL PDP 11		QTY.	DESCRIPTION	PART NO.	ITEM NO.
UNLESS OTHERWISE SPECIFIED		PARTS LIST			
UNLESS OTHERWISE SPECIFIED		digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS			
TOLERANCES		TITLE			
DECIMALS FRACTIONS ANGLES		WORD COUNT REGISTER (TCWC)			
± .005 ± 1/64 ± 0°30'		SIZE CODE NUMBER REV.			
FINAL SURFACE QUALITY / REMOVE BURRS AND BREAK SHARP CORNERS		D B S T C 11 - 0 - 22 A			
MATERIAL		SCALE			
FINISH		SHEET 1 OF 1			



1

[D

1

C

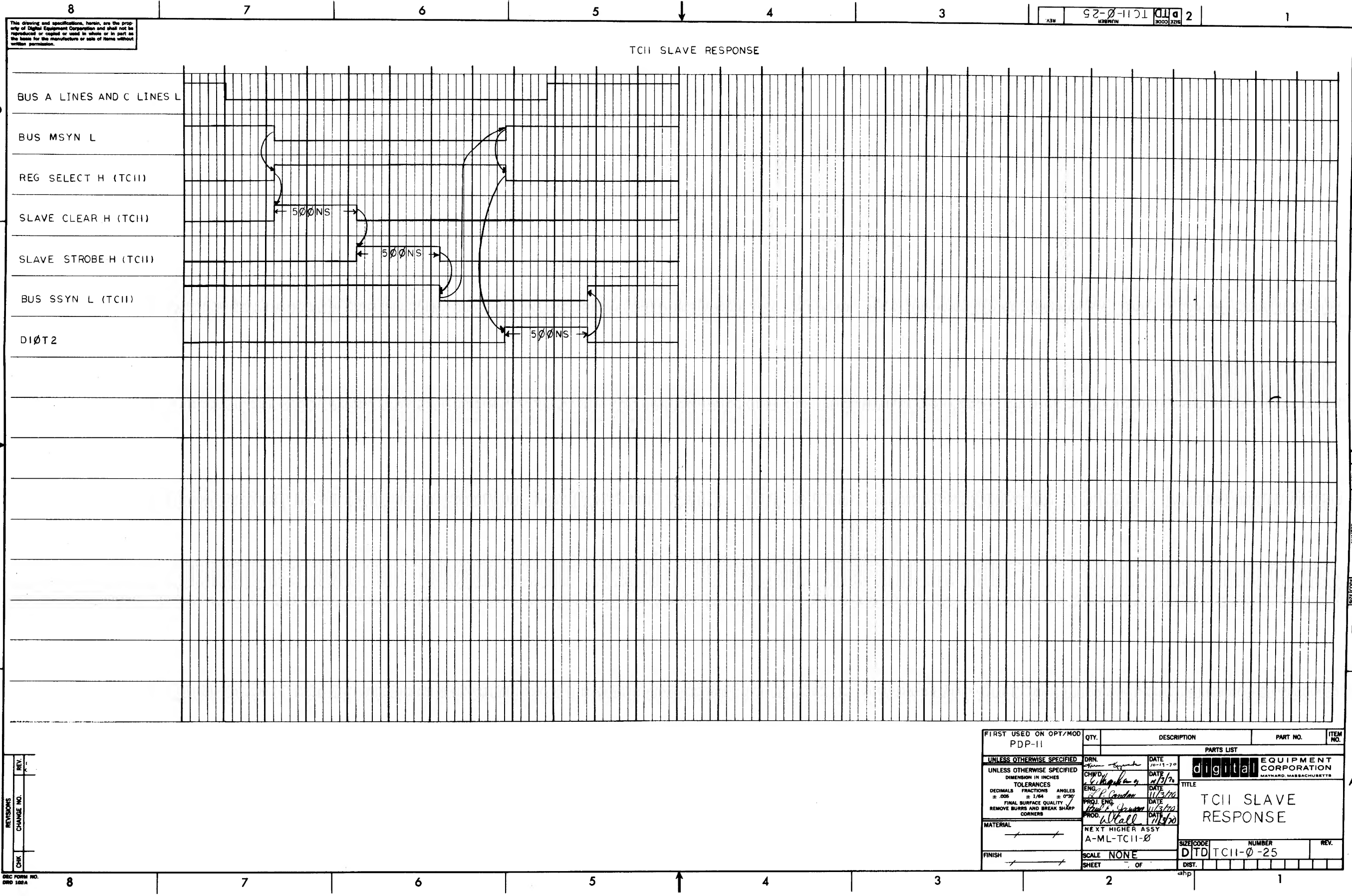
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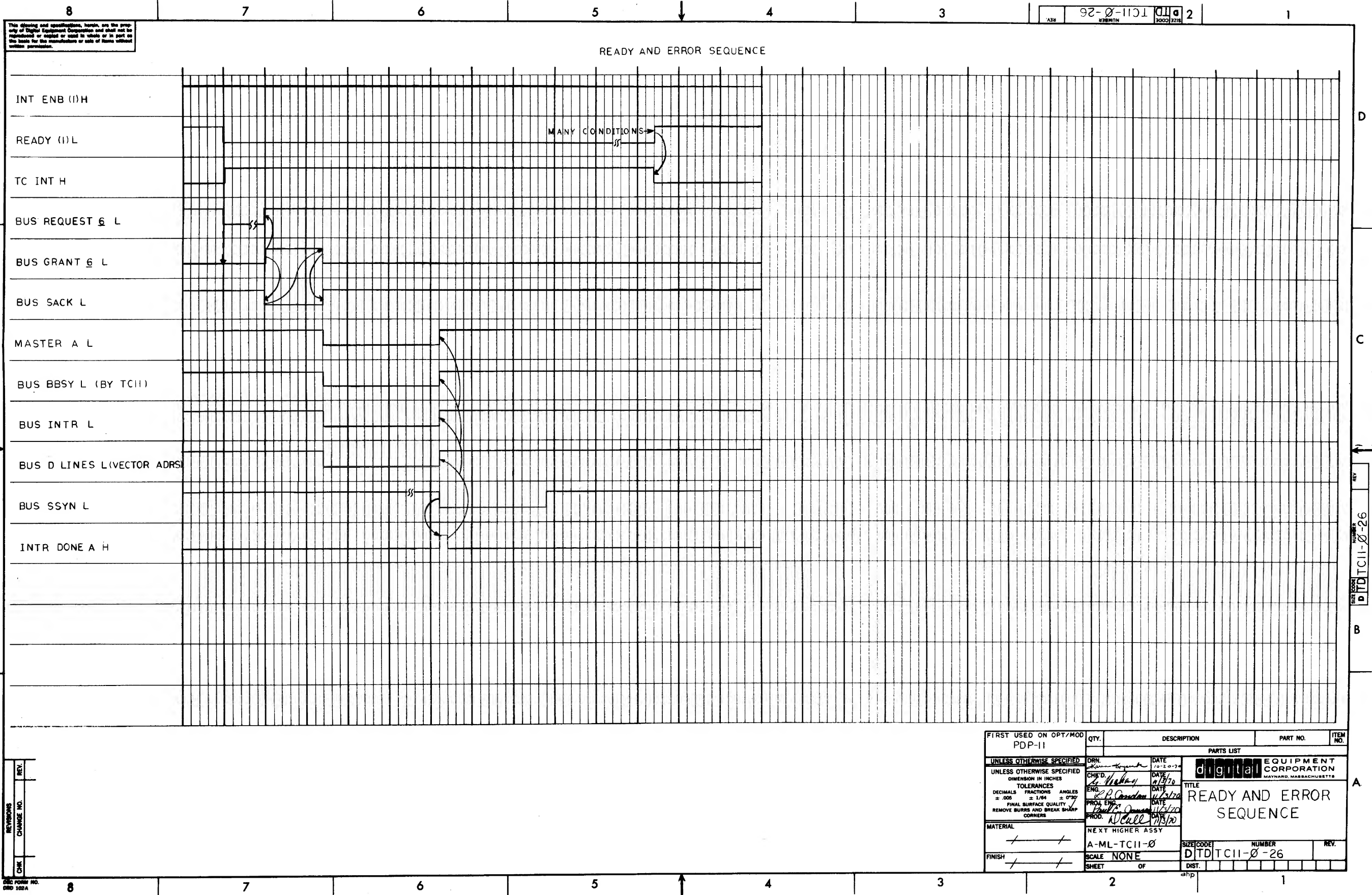
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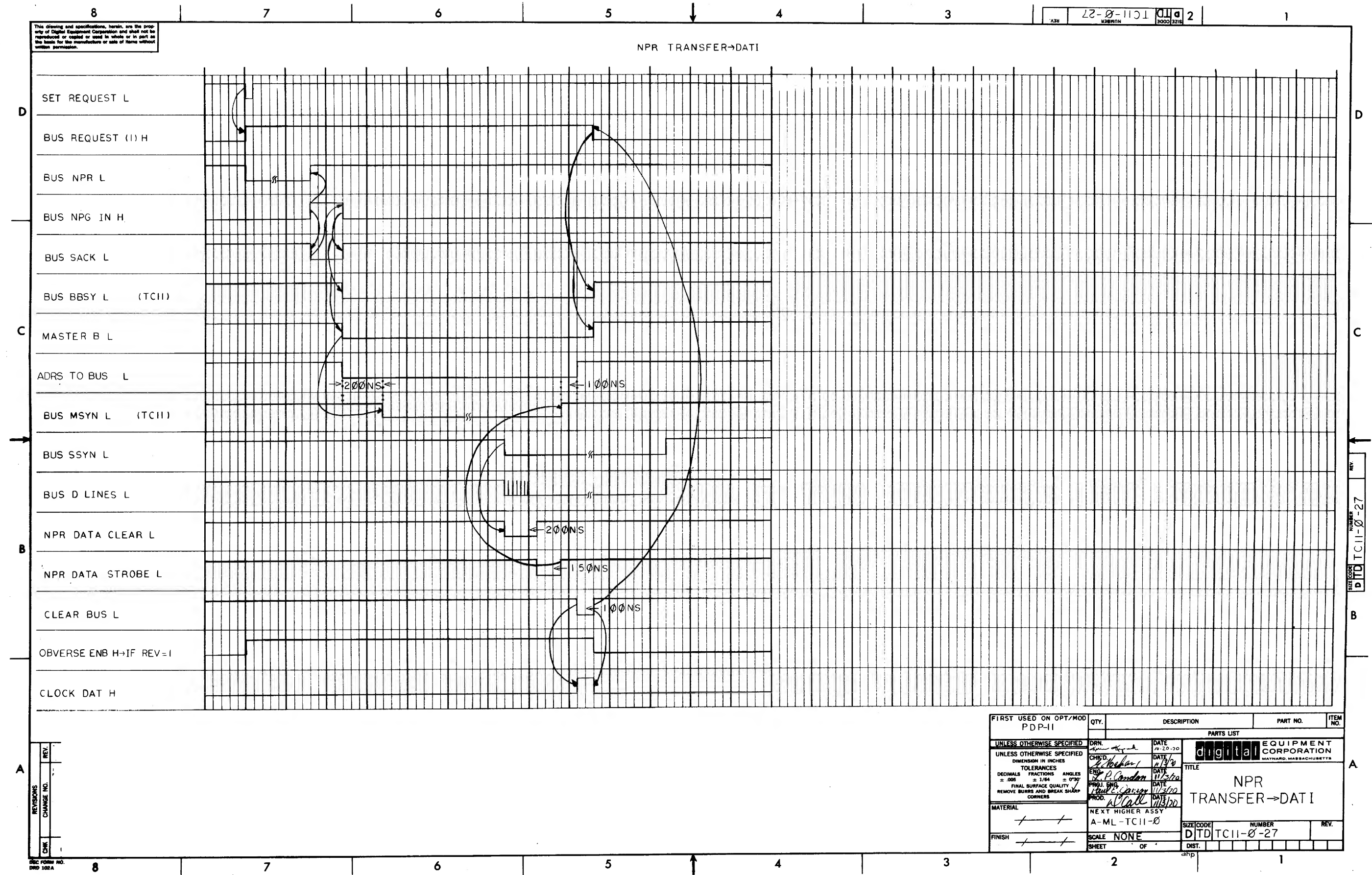
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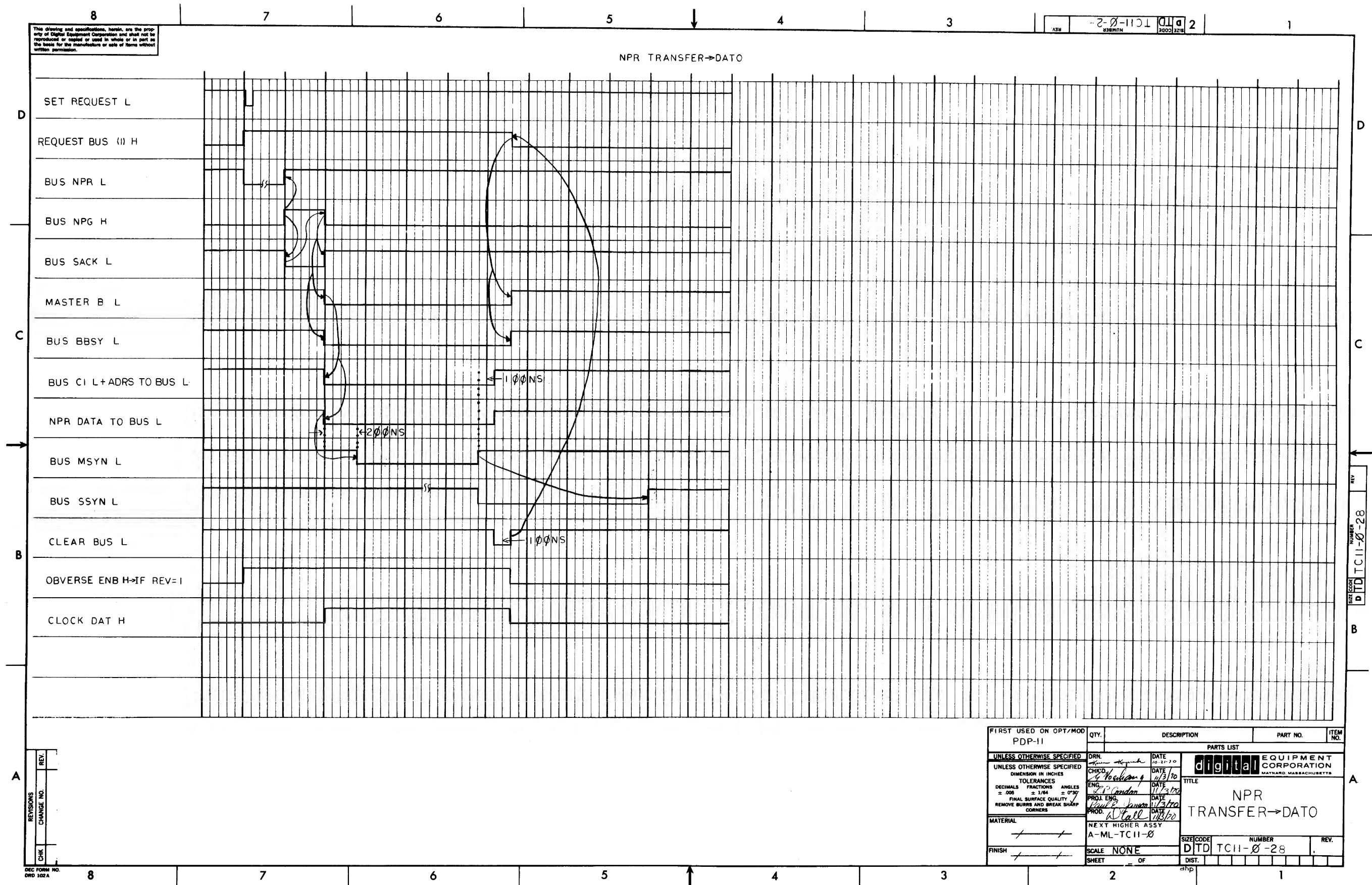
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[illegible]DEC FORM NO
DRD 102A









TC11,F RUN NAME	A/P PIN NAME	HND288.V19(16) 03/31/72 ORDER BAY - PIN ORDER	Q DRAW RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	2112 EXCEPTIONS	PAGE 3 RUN NUMBER
*3 D23V1	D23V1	1-01 *	T018		1				15
*3 D23V1	D23S2	1-02 *	T19		2				15
*3 D23V1	D23E2	1-03 *	T02				6-2/8		15
*3 D23V1		1							15
A06D2	A06D2	1-01 *	T08S		1				16
A06D2	B12R2	1-02 *	T08				7-4/8		16
A06D2		1							16
A06L2	A06L2	1-01 *	T08S		1				17
A06L2	C11J1	1-02 *	T08				8-2/8		17
A06L2		1							17
A06S1	A06S1	1-01 *	T02S		1				18
A06S1	B13P2	1-02 *	T02				7-2/8		18
A06S1		1							18
A06T2	A06T2	1-01 *	T19S		1				19
A06T2	B13D2	1-02 *	T19				6-4/8		19
A06T2		1							19
A06U1	A06S2	1-01 *	T19		1				20
A06U1	A06U1	1-02 *	T19S		2				20
A06U1	B13H1	1-03 *	T19				9-2/8		20
A06U1		1							20
A10D2	A10D2	1-01 *	T10S		1				21
A10D2	A10E2	1-02 *	T10				2-4/8		21
A10D2		1							21
A10V2	A10R2	1-01 *	T10		1				22
A10V2	A10V2	1-02 *	T10S				2-6/8		22
A10V2		1							22
A11L1	A11L1	1-01 *	T10S		1				23
A11L1	A11J1	1-02 *	T10				4-0/8		23
A11L1		1							23
A11M1	A11J1	1-01 *	T10		1				24
A11M1	A11M1	1-02 *	T10S		2				24
A11M1	A11S2	1-03 *	T10				5-6/8		24
A11M1		1							24
A13C1	A13C1	1-01 *	T14S		1				25
A13C1	B10L2	1-02 *	T14				6-6/8		25
A13C1		1							25

TC11,F RUN NAME	A/P PIN NAME	HND288.V19(16) 03/31/72 ORDER BAY - PIN ORDER	Q DRAW RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	2112 EXCEPTIONS	PAGE 4 RUN NUMBER
A13F1	A13F1	1-01 *	T14S		1				26
A13F1	B10P1	1-02 *	T14				6-4/8		26
A13F1		1							26
A13F2	A13F2	1-01 *	T14S		1				27
A13F2	B10A1	1-02 *	T14				5-0/8		27
A13F2		1							27
A13K1	A13K1	1-01 *	T14S		1				28
A13K1	B10H1	1-02 *	T14				5-4/8		28
A13K1		1							28
A13K2	A13K2	1-01 *	T15S		1				29
A13K2	B14L2	1-02 *	T15				5-4/8		29
A13K2		1							29
A13N1	A13N1	1-01 *	T15S		1				30
A13N1	B14P1	1-02 *	T15				5-4/8		30
A13N1		1							30
A13N2	A13N2	1-01 *	T15S		1				31
A13N2	B14A1	1-02 *	T15				3-6/8		31
A13N2		1							31
A13S1	A13S1	1-01 *	T15S		1				32
A13S1	B14H1	1-02 *	T15				4-2/8		32
A13S1		1							32
A13S2	A13S2	1-01 *	T16S		1				33
A13S2	A10L2	1-02 *	T16				4-2/8		33
A13S2		1							33
A13V2	A13V2	1-01 *	T16S		1				34
A13V2	A10P1	1-02 *	T16				3-6/8		34
A13V2		1							34
A15E1	A14L2	1-01 *	T14		1				35
A15E1	A15E1	1-02 *	T14S				3-0/8		35
A15E1		1							35
A15J2	A15J1	1-01 *	T15		1				36
A15J2	A15J2	1-02 *	T15S				3-4/8		36
A15J2		1							36
A15L1	A14N2	1-01 *	T14		1				37
A15L1	A15L1	1-02 *	T14S				2-6/8		37
A15L1		1							37

TC11.F		HND288.V16(16) 03/31/72		Q		DRAW RV PG Y		X	Z	REMARKS	24-MAY-72	21112	PAGE 5
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY ORDER							LENGTH	EXCEPTIONS	RUN NUMBER
A15P2		A14A1		1-01 *		T16			1				38
A15P2		A15P2		1-02 *		T16S					4-2/8		38
A15S1		A14P1		1-04 *		T15			1				39
A15S1		A15S1		1-02 *		T15S					3-0/8		39
A15V2		A14C1		1-01 *		T16			1		4-4/8		40
A15V2		A15V2		1-02 *		T16S							40
A17E1		A16D2		1-01 *		T16			1		2-4/8		41
A17E1		A17E1		1-02 *		T16S							41
A17J2		A16S1		1-01 *		T16			1				42
A17J2		A17J2		1-02 *		T16S					3-4/8		42
A17L1		A16F2		1-01 *		T16			1				43
A17L1		A17L1		1-02 *		T16S					3-0/8		43
A17P2		A16C1		1-01 *		T16			1		4-0/8		44
A17P2		A17P2		1-02 *		T16S							44
A17S1		A16N2		1-01 *		T16			1		2-6/8		45
A17S1		A17S1		1-02 *		T16S							45
A17V2		A16K1		1-01 *		T16			1				46
A17V2		A17V2		1-02 *		T16S					3-6/8		46
A18D2		A18D2		1-01 *		T12S			1				47
A18D2		A19A1		1-02 *		T12					2-6/8		47
A18E2		A18E2		1-01 *		T12S			1				48
A18E2		A19D1		1-02 *		T12					2-6/8		48
A18F2		A18F2		1-01 *		T12S			1				49
A18F2		A19J1		1-02 *		T12					2-6/8		49

TC11.F		HND288.V16(16) 03/31/72		Q		DRAW RV PG Y		X	Z	REMARKS	24-MAY-72	21112	PAGE 6
RUN NAME	A/P	PIN NAME	ORDER PIN	BAY ORDER							LENGTH	EXCEPTIONS	RUN NUMBER
A18M2		A18M2		1-01 *		T12S			1		3-0/8		50
A18M2		A19L1		1-02 *		T12							50
A18J2		A18J2		1-01 *		T12S			1		2-6/8		51
A18J2		A19F1		1-02 *		T12							51
A18L2		A18L2		1-01 *		T12S			1		2-6/8		52
A18L2		A19K2		1-02 *		T12							52
A18M2		A18M2		1-01 *		T12S			1		3-0/8		53
A18M2		A19H2		1-02 *		T12							53
A18N2		A18N2		1-01 *		T12S			1		3-4/8		54
A18N2		A19E2		1-02 *		T12							54
A21J2		A21D2		1-01 *		T12			2				55
A21J2		A21J2		1-02 *		T12S							55
A21J2		A22F2		1-03 *		T12					5-6/8		55
A21K2		A21E2		1-01 *		T12			2				56
A21K2		A21K2		1-02 *		T12S					5-6/8		56
A21K2		A22H2		1-03 *		T12			1				56
A23J2		A23D2		1-01 *		T12			2				57
A23J2		A23J2		1-02 *		T12S							57
A23J2		A22N2		1-03 *		T12			1		5-6/8		57
A23K2		A23E2		1-01 *		T12			2				58
A23K2		A23K2		1-02 *		T12S							58
A23K2		A22P2		1-03 *		T12			1		5-6/8		58
A0RS TO BUS	H	B08S1		1-01 *		T11			1				59
A0RS TO BUS	H	B08N1		1-02 *		T11							59
A0RS TO BUS	H	B08B1		1-03 *		T08S					6-6/8		59

TC11.F RUN NAME	A/P	NAME	ORDER	03/31/72	Q	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	2112 EXCEPTIONS	PAGE 7 RUN NUMBER
ADRS TO BUS	L	B06F1	1-01 *	1	1									60
ADRS TO BUS	L	B07U2	1-02 *	1	1									60
ADRS TO BUS												4-0/8		60
ALL HALT	L	A19S2	1-01 *	1	1									61
ALL HALT	L	D20V2	1-02 *	1	1									61
ALL HALT												11-0/8		61
B04S2		B13E2	1-01 *	1	1									62
B04S2		B13U1	1-02 *	1	2									62
B04S2		B04S2	1-03 *	1	1									62
B04S2												9-6/8		62
B07U1		B07U1	1-01 *	1	1									63
B07U1		B07V1	1-02 *	1	1									63
B07U1												2-4/8		63
B10A1		B10A1	1-01 *	1	1									64
B10A1		B10C1	1-02 *	1	1									64
B10A1												2-4/8		64
B10D1		B10D1	1-01 *	1	1									65
B10D1		B10D2	1-02 *	1	1									65
B10D1												2-4/8		65
B10F2		B10F2	1-01 *	1	1									66
B10F2		B10N1	1-02 *	1	1									66
B10F2												3-2/8		66
B10H2		A11H1	1-01 *	1	1									67
B10H2		B10H2	1-02 *	1	1									67
B10H2												5-2/8		67
B10K1		B10K1	1-01 *	1	1									68
B10K1		D13A1	1-02 *	1	2									68
B10K1		D13E1	1-03 *	1	1									68
B10K1		D23U1	1-04 *	1	1									68
B10K1												17-6/8		68
B10M2		B10M2	1-01 *	1	1									69
B10M2		B10U2	1-02 *	1	1									69
B10M2												3-0/8		69
B10P1		B10P1	1-01 *	1	1									70
B10P1		B10V1	1-02 *	1	1									70
B10P1												3-0/8		70

TC11.F RUN NAME	A/P	NAME	ORDER	03/31/72	Q	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	2112 EXCEPTIONS	PAGE 8 RUN NUMBER
B12C1		B12C1	1-01 *	1	1									71
B12C1		C00B1	1-02 *	1	1									71
B12C1												7-4/8		71
B12F1		A11D2	1-01 *	1	1									72
B12F1		B12F1	1-02 *	1	1									72
B12F1												5-4/8		72
B12V2		B11H1	1-01 *	1	1									73
B12V2		B12V2	1-02 *	1	1									73
B12V2												4-0/8		73
B13C1		A10A1	1-01 *	1	1									74
B13C1		B13C1	1-02 *	1	1									74
B13C1												6-0/8		74
B13F1		A16H1	1-01 *	1	1									75
B13F1		B13F1	1-02 *	1	1									75
B13F1												5-4/8		75
B13F2		B13F2	1-01 *	1	1									76
B13F2		C00D1	1-02 *	1	1									76
B13F2												7-0/8		76
B13K1		B13K1	1-01 *	1	1									77
B13K1		C00H2	1-02 *	1	1									77
B13K1												6-4/8		77
B13K2		A14L1	1-01 *	1	1									78
B13K2		B13K2	1-02 *	1	1									78
B13K2												5-2/8		78
B13N2		A14H1	1-01 *	1	1									79
B13N2		B13N2	1-02 *	1	1									79
B13N2												5-6/8		79
B13S1		B13S1	1-01 *	1	1									80
B13S1		D11S1	1-02 *	1	2									80
B13S1		D00S1	1-03 *	1	1									80
B13S1												13-2/8		80
B13S2		B13S2	1-01 *	1	1									81
B13S2		D10P2	1-02 *	1	1									81
B13S2												8-4/8		81

[illegible][illegible]

TC11,F RUN NAME	HND288,V16(16) 03/31/72				Q				24-MAY-72				21112				PAGE 11			
A/P	PIN NAME	ORDER	PIN	BAY -	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	21112	EXCEPTIONS	RUN	NUMBER		
B24E1	B24E1	1-01 *				T24S					1						104			
B24E1	C24S1	1-02 *				T24											104			
B24E1		1											6-0/8				104			
B24F1	B24F1	1-01 *				T24S					1						105			
B24F1	C24L1	1-02 *				T24											105			
B24F1		1											5-2/8				105			
B24H1	B24H1	1-01 *				T24S					1						106			
B24H1	C24E1	1-02 *				T24							4-4/8				106			
B24H1		1															106			
B24J1	B24J1	1-01 *				T24S					1						107			
B24J1	C24E2	1-02 *				T24							4-4/8				107			
B24J1		1															107			
B24K1	B24K1	1-01 *				T24S					1						108			
B24K1	C24P1	1-02 *				T24											108			
B24K1		1											5-2/8				108			
B24L1	B24L1	1-01 *				T24S					1						109			
B24L1	C24J1	1-02 *				T24							4-4/8				109			
B24L1		1															109			
B24M1	B24M1	1-01 *				T24S					1						110			
B24M1	C24D1	1-02 *				T24							4-0/8				110			
B24M1		1															110			
B24N1	B24N1	1-01 *				T24S					1						111			
B24N1	C24D2	1-02 *				T24							4-0/8				111			
B24N1		1															111			
B24P1	B24P1	1-01 *				T24S					1						112			
B24P1	C24M1	1-02 *				T24							4-4/8				112			
B24P1		1															112			
B24R1	B24R1	1-01 *				T24S					1						113			
B24R1	C24H1	1-02 *				T24							4-0/8				113			
B24R1		1															113			
B24S1	B24S1	1-01 *				T24S					1						114			
B24S1	C24H2	1-02 *				T24							4-0/8				114			
B24S1		1															114			
BAOF	A12H2	1-01 *				T11					1						115			
BAOF	B07P2	1-02 *				T21S							7-0/8				115			
BAOF		1															115			

TC11,F RUN NAME	HND288,V16(16) 03/31/72				Q				24-MAY-72				21112				PAGE 12			
A/P	PIN NAME	ORDER	PIN	BAY -	Q	DRAW	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	21112	EXCEPTIONS	RUN	NUMBER		
B000	A05B1	1-01 *				T13S					1						116			
B000	A06A1	1-02 *				T13					2						116			
B000	A07N1	1-03 *				T21S/T22S					1						116			
B000	A15R1	1-04 *				T15					2						116			
B000	B15E1	1-05 *				T16					1						116			
B000	C21D2	1-06 *				T05							25-4/8				116			
B000		1															116			
B000	A06B1					T13S										1-PIN RUN	117			
B001	A05D2	1-01 *				T13S					2						118			
B001	A07H1	1-02 *				T21S/T22S					1						118			
B001	A12E1	1-03 *				T11					2						118			
B001	A15D1	1-04 *				T14					1						118			
B001	A15R1	1-05 *				T15											118			
B001		1											16-2/8				118			
B002	A05E1	1-01 *				T13S					2						119			
B002	A07M1	1-02 *				T21S/T22S					1						119			
B002	A12R1	1-03 *				T11					2						119			
B002	A15J1	1-04 *				T14					1						119			
B002	C17H1	1-05 *				T06							20-4/8				119			
B002		1															119			
B003	A05F2	1-01 *				T13S					2						120			
B003	A07F2	1-02 *				T21S/T22S					1						120			
B003	A12D1	1-03 *				T11					2						120			
B003	B15B1	1-04 *				T16					1						120			
B003	C17D2	1-05 *				T06							19-0/8				120			
B003		1															120			
B004	A05H1	1-01 *				T13S					2						121			
B004	A07T2	1-02 *				T21S/T22S					1						121			
B004	A12M1	1-03 *				T11					2						121			
B004	A15M2	1-04 *				T15					1						121			
B004	C17D1	1-05 *				T06							19-4/8				121			
B004		1															121			
B005	A05J2	1-01 *				T13S					2						122			
B005	A07N2	1-02 *				T21S/T22S					1						122			
B005	A11C1	1-03 *				T10					2						122			
B005	A12K1	1-04 *				T11					1						122			
B005	A15E2	1-05 *				T14							14-4/8				122			
B005		1															122			

TC11.F RUN NAME	A/P NAME	HND288.V15(16) PIN ORDER	03/31/72 BAY ORDER	Q DRAW RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 13 RUN NUMBER
B006	H	A05K1	1-01 *	T13S		1				123
B006	H	A06J1	1-02 *	T13S		2				123
B006	H	A07U1	1-03 *	T21S/T22S		1				123
B006	H	A12P1	1-04 *	T11		2				123
B006	H	A13U2	1-05 *	T16		1				123
B006	H	B13H2	1-06 *	T10				18-6/8		123
B006	L	A06K1	1-01 *	T13S		1				124
B006	L	B13L2	1-02 *	T10				7-4/8		124
B007	H	A05L2	1-01 *	T13S		2				125
B007	H	A07M2	1-02 *	T21S/T22S		1				125
B007	H	A13M1	1-03 *	T13				8-2/8		125
B008	H	A12A1	1-01 *	T11		1				126
B008	H	A13E1	1-02 *	T14		2				126
B008	H	A05M1	1-03 *	T13S		1				126
B008	H	B07F1	1-04 *	T21S/T22S		2				126
B008	H	D04D2	1-05 *	T13						126
B008	H	D04H1	1-06 *	T04		1		25-6/8		126
B008	L	D04F2	1-01 *	T13S		1				127
B008	L	D04K2	1-02 *	T04				2-6/8		127
B009	H	A13R2	1-01 *	T16		2				128
B009	H	A12V1	1-02 *	T11		1				128
B009	H	A07V2	1-03 *	T21S/T22S		2				128
B009	H	A05N2	1-04 *	T13S		1				128
B009	H	D04N2	1-05 *	T04						128
B009	H	D04V1	1-06 *	T04				25-2/8		128
B010	H	A12B1	1-01 *	T11		2				129
B010	H	A13J2	1-02 *	T15		1				129
B010	H	A05P1	1-03 *	T13S		2				129
B010	H	B07E2	1-04 *	T21S/T22S		1				129
B010	H	D04R2	1-05 *	T04						129
B010	H	D04V2	1-06 *	T04				27-2/8		129

TC11.F RUN NAME	A/P NAME	HND288.V15(16) PIN ORDER	03/31/72 BAY ORDER	Q DRAW RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 14 RUN NUMBER
B011	H	A13B1	1-01 *	T14		1				130
B011	H	A12P1	1-02 *	T11		2				130
B011	H	A05U1	1-03 *	T13		1				130
B011	H	A07U2	1-04 *	T21S/T22S		2				130
B011	H	A05R2	1-05 *	T13S		1				130
B011	H	D04D1	1-06 *	T04				23-6/8		130
B011	L	A05V1	1-01 *	T13S		1				131
B011	L	D04E1	1-02 *	T04				9-6/8		131
B012	H	A17D1	1-01 *	T16		1				132
B012	H	A12U1	1-02 *	T11		2				132
B012	H	A05S1	1-03 *	T13S		1				132
B012	H	B07L2	1-04 *	T21S/T22S				16-6/8		132
B013	H	B07F2	1-01 *	T21S/T22S		2				133
B013	H	A05T2	1-02 *	T13S		1				133
B013	H	A14M2	1-03 *	T11		2				133
B013	H	B15D1	1-04 *	T15				14-6/8		133
B014	H	A05U1	1-01 *	T13S		2				134
B014	H	B07N1	1-02 *	T21S/T22S		1		12-6/8		134
B014	H	B17D1	1-03 *	T14						134
B015	H	A15N2	1-01 *	T16		2				135
B015	H	A05V2	1-02 *	T13S		1				135
B015	H	A06U2	1-03 *	T13		2				135
B015	H	B07H1	1-04 *	T21S/T22S				14-4/8		135
B015	L	A05V2	1-01 *	T13S		1				136
B015	L	D05U2	1-02 *	T03				10-2/8		136
B0C LO	H	B12P2	1-01 *	T08		1				137
B0C LO	H	A06J2	1-02 *	T06S				7-8/8		137
B0C LO	H	B05E1	1-01 *	T20S		1				138
B0C IN	H	C05U2	1-02 *					6-4/8		138

TC11.F RUN NAME	HND289.V16(16) 03/31/72				Q	DRAW	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 15 RUN NUMBER
A/P	PIN	NAME	ORDER	BAY - PIN	ORDER										
BG OUT	H	B05A1		1-01 *											139
BG OUT	H	C05V2		1-02 *											139
BG OUT				1									7-2/8		139
BINIT	H	B06J1		1-01 *											140
BINIT	H	A07D1		1-02 *											140
BINIT	H	A12H1		1-03 *											140
BINIT	H	A12J2		1-04 *											140
BINIT	H	B12T2		1-05 *											140
BINIT	H	C11U1		1-06 *											140
BINIT				1									24-6/8		140
BINIT	L	A11A1		1-01 *											141
BINIT	L	A11K1		1-02 *											141
BINIT	L	C11M1		1-03 *											141
BINIT	L	C11V1		1-04 *											141
BINIT	L	D08U2		1-05 *											141
BINIT	L	D17R2		1-06 *											141
BINIT	L	D17K1		1-07 *											141
BINIT	L	C28F1		1-08 *											141
BINIT				1									37-0/8		141
BLKM(0)	H	B11F1		1-01 *											142
BLKM(0)	H	D15V2		1-02 *											142
BLKM(0)				1									9-6/8		142
BLKM(1)	H	A09L1		1-01 *											143
BLKM(1)	H	B11E1		1-02 *											143
BLKM(1)				1									4-6/8		143
BSSYN	H	A09E1		1-01 *											144
BSSYN	H	A09E2		1-02 *											144
BSSYN	H	B09A1		1-03 *											144
BSSYN				1									7-2/8		144
BSSYN	L	A09F2		1-01 *											145
BSSYN	L	B09C1		1-02 *											145
BSSYN				1									5-0/8		145
BUS A00	L	B01H2		1-01 *											146
BUS A00	L	B02H2		1-02 *											146
BUS A00	L	B04H2		1-03 *											146
BUS A00				1									6-0/8		146

TC11.F RUN NAME	HND289.V16(16) 03/31/72				Q	DRAW	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 16 RUN NUMBER
A/P	PIN	NAME	ORDER	BAY - PIN	ORDER										
BUS A01	L	A07J2		1-01 *											147
BUS A01	L	B04H1		1-02 *											147
BUS A01	L	B02H1		1-03 *											147
BUS A01				1									11-6/8		147
BUS A02	L	A07L1		1-01 *											148
BUS A02	L	B04F1		1-02 *											148
BUS A02	L	B02J2		1-03 *											148
BUS A02	L	B01J2		1-04 *											148
BUS A03	L	A07K1		1-01 *											149
BUS A03	L	A06V1		1-02 *											149
BUS A03	L	B02J1		1-03 *											149
BUS A03	L	B01J1		1-04 *											149
BUS A04	L	A07V1		1-01 *											150
BUS A04	L	B04U2		1-02 *											150
BUS A04	L	B02K2		1-03 *											150
BUS A04	L	B01K2		1-04 *											150
BUS A05	L	A07S1		1-01 *											151
BUS A05	L	B04V1		1-02 *											151
BUS A05	L	B02K1		1-03 *											151
BUS A05	L	B01K1		1-04 *											151
BUS A06	L	A07R2		1-01 *											152
BUS A06	L	B04U1		1-02 *											152
BUS A06	L	B02L2		1-03 *											152
BUS A06	L	B01L2		1-04 *											152
BUS A07	L	A07P2		1-01 *											153
BUS A07	L	B04P2		1-02 *											153
BUS A07	L	B02L1		1-03 *											153
BUS A07	L	B01L1		1-04 *											153
BUS A08	L	B01M2		1-01 *											154
BUS A08	L	B02M2		1-02 *											154
BUS A08	L	B04N2		1-03 *											154
BUS A08	L	B01N1		1-04 *											154
BUS A08				1									10-0/8		154

TC1.F RUN NAME	HNO28.V16(16)	03/21/72	BAY -	Q	DRAW	RV	PG	Y	X	Z	REMARKS	24-MAY-72	24112	PAGE 17
	PIN NAME	ORDER	ORDER									LENGTH	EXCEPTIONS	RUN NUMBER
BUS A09	B01M1	1-01	*		T205									155
BUS A09	B02M1	1-02	*		T205									155
BUS A09	B04R1	1-03	*		T19									155
BUS A09	B07E1	1-04	*		T215					2				155
BUS A10	B01N2	1-01	*		T205							10-6/8		155
BUS A10	B02N2	1-02	*		T205					1				156
BUS A10	B04P1	1-03	*		T19									156
BUS A10	B07D1	1-04	*		T215							10-2/8		156
BUS A11	B01N1	1-01	*		T205									157
BUS A11	B02N1	1-02	*		T205					1				157
BUS A11	B04L1	1-03	*		T19									157
BUS A11	B07B1	1-04	*		T215							10-4/8		157
BUS A12	B04C1	1-01	*		T19									158
BUS A12	B01P2	1-02	*		T205					1				158
BUS A12	B02P2	1-03	*		T205									158
BUS A12	B07P1	1-04	*		T215							11-4/8		158
BUS A13	B01P1	1-01	*		T205									159
BUS A13	B02P1	1-02	*		T205					2				159
BUS A13	B04K2	1-03	*		T19									159
BUS A13	B07L1	1-04	*		T215							10-2/8		159
BUS A14	B01R2	1-01	*		T205									160
BUS A14	B02R2	1-02	*		T205					1				160
BUS A14	B04K1	1-03	*		T19									160
BUS A14	B07K2	1-04	*		T215							10-0/8		160
BUS A15	B01R1	1-01	*		T205									161
BUS A15	B02R1	1-02	*		T205					2				161
BUS A15	B04D2	1-03	*		T19									161
BUS A15	B07J2	1-04	*		T215							11-0/8		161
BUS A16	B01S2	1-01	*		T205									162
BUS A16	B02S2	1-02	*		T205					1				162
BUS A16	B04E2	1-03	*		T19									162
BUS A16	B07T2	1-04	*		T215							11-6/8		162

TC11,F RUN NAME	HN0208,V16(16) 03/31/72 A/P PIN ORDER NAME	BAY - ORDER	Q DRAW	RV PG	Y X	Z REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 19 RUN NUMBER
BUS A17	B0181	1-01 *	T205			1			163
BUS A17	B0281	1-02 *	T205			2			163
BUS A17	B0401	1-03 *	T19			1			163
BUS A17	B06N2	1-04 *	T115				12-0/8		163
BUS AC LO	B01F1	1-01 *	T205			1			164
BUS AC LO	B02F1	1-02 *	T205				2-6/8		164
BUS BBSY	A01P2	1-01 *	T205			2			165
BUS BBSY	A02P2	1-02 *	T205			1			165
BUS BBSY	B02D1	1-03 *	T195				7-2/8		165
BUS BGA IN	B01E2	1-01 *	T205			1			166
BUS BGA IN	C05S2	1-02 *	T205				7-0/8		166
BUS BGA IN	B02E2	1-01 *	T205			1			167
BUS BGA OUT	C05T2	1-02 *	T205				7-0/8		167
BUS BGS IN	B01B1	1-01 *	T205			1			168
BUS BGS IN	C05P2	1-02 *	T205				7-2/8		168
BUS BGS OUT	B02B1	1-01 *	T205			1			169
BUS BGS OUT	C05R2	1-02 *	T205				7-0/8		169
BUS BGS IN	B01A1	1-01 *	T205			1			170
BUS BGS IN	C05M2	1-02 *	T205				7-0/8		170
BUS BGS OUT	B02A1	1-01 *	T205			1			171
BUS BGS OUT	C05N2	1-02 *	T20				7-0/8		171
BUS BGS IN	A01V1	1-01 *	T205			1			172
BUS BGS IN	C05K2	1-02 *	T205				7-4/8		172
BUS BGS OUT	A02V1	1-01 *	T205			1			173
BUS BGS OUT	C05L2	1-02 *	T205				7-2/8		173

TC11.F RUN NAME	HND288.V16(16) 03/31/72 A/P PIN NAME ORDER	Q DRAW RV PG Y X Z REMARKS	24-MAY-72 LENGTH	2112 EXCEPTIONS	PAGE 19 RUN NUMBER
BUS BR4	L B01D2	T205			174
BUS BR4	L B02D2	T205			174
BUS BR4	L C02H2	T20	8-4/8		174
BUS BR5	L B01C1	T205			175
BUS BR5	L B02C1	T205			175
BUS BR5	L C02F2	T20	8-6/8		175
BUS BR6	L A01U2	T205			176
BUS BR6	L A02U2	T205			176
BUS BR6	L C02E2	T205	9-4/8		176
BUS BR7	L A01T2	T205			177
BUS BR7	L A02T2	T205			177
BUS BR7	L C02D2	T20	9-4/8		177
BUS BR7	L				177
BUS C0	L B01U2	T205			178
BUS C0	L B02U2	T205			178
BUS C0	L B01J2	T19	6-6/8		178
BUS C1	L B01T2	T205			179
BUS C1	L B02T2	T205			179
BUS C1	L B02F2	T19			179
BUS C1	L B02D1	T065			179
BUS C1	L		10-0/8		179
BUS D00	L A01C1	T205			180
BUS D00	L A02C1	T205			180
BUS D00	L A04A1	T135			180
BUS D00	L A05A1	T13	9-0/8		180
BUS D00	L				180
BUS D01	L A01D2	T205			181
BUS D01	L A02D2	T205			181
BUS D01	L A04C1	T135			181
BUS D01	L A05C1	T13	8-4/8		181
BUS D01	L				181

TC11.F RUN NAME	HND288.V16(16) 03/31/72 A/P PIN NAME ORDER	Q DRAW RV PG Y X Z REMARKS	24-MAY-72 LENGTH	2112 EXCEPTIONS	PAGE 20 RUN NUMBER
BUS D02	L A01D1	T205			182
BUS D02	L A02D1	T205			182
BUS D02	L A04D1	T135			182
BUS D02	L A05D1	T13			182
BUS D02	L B02E2	T195	14-0/8		182
BUS D02	L				182
BUS D03	L A01E2	T205			183
BUS D03	L A02E2	T205			183
BUS D03	L A04E2	T135			183
BUS D03	L A05E2	T13			183
BUS D03	L B02L1	T195	14-4/8		183
BUS D03	L				183
BUS D04	L A01E1	T205			184
BUS D04	L A02E1	T205			184
BUS D04	L A04F1	T135			184
BUS D04	L A05F1	T13			184
BUS D04	L B02N2	T195	15-0/8		184
BUS D04	L				184
BUS D05	L A01F2	T205			185
BUS D05	L A02F2	T205			185
BUS D05	L A04H2	T135			185
BUS D05	L A05H2	T13			185
BUS D05	L B02F1	T195	13-6/8		185
BUS D05	L				185
BUS D06	L A01F1	T205			186
BUS D06	L A02F1	T205			186
BUS D06	L A04J1	T135			186
BUS D06	L A05J1	T13			186
BUS D06	L B02F2	T195	14-0/8		186
BUS D06	L				186
BUS D07	L A01H2	T205			187
BUS D07	L A02H2	T205			187
BUS D07	L A04K2	T135			187
BUS D07	L A05K2	T13			187
BUS D07	L B02H1	T195	14-0/8		187
BUS D07	L				187

[illegible]

TC1.F RUN NAME	A/P	HND289.V6(16) PIN ORDER PIN	03/31/72 BAY - ORDER	Q	DRAM RV PG V	X	Z	REMARKS	24-MAY-72 LENGTH	2111Z EXCEPTIONS	PAGE 22 RUN NUMBER
BUS D15	L	A01M2	1=01 *	T205			2				195
BUS D15	L	A02M2	1=02 *	T205			1				195
BUS D15	L	A04U2	1=03 *	T135			2				195
BUS D15	L	A05U2	1=04 *	T13					9=2/8		195
BUS DC LO	L	A06H2	1=01 *	T08			1				196
BUS DC LO	L	B02F2	1=02 *	T205			2				196
BUS DC LO	L	B01F2	1=03 *	T205					8=4/8		196
BUS INIT	L	A01A1	1=01 *	T205			2				197
BUS INIT	L	A02A1	1=02 *	T205			1				197
BUS INIT	L	A06C1	1=03 *	T08					7=2/8		197
BUS INTR	L	A01B1	1=01 *	T205			2				198
BUS INTR	L	A02B1	1=02 *	T205			1				198
BUS INTR	L	B05M1	1=03 *	T195					9=4/8		198
BUS MSYN	L	B02V1	1=01 *	T205			2				199
BUS MSYN	L	B01V1	1=02 *	T205			1				199
BUS MSYN	L	B04E1	1=03 *	T19			2				199
BUS MSYN	L	B06E1	1=04 *	T085					10=4/8		199
BUS NPC IN	H	A01U1	1=01 *	T205			1				200
BUS NPC IN	H	B05B1	1=02 *						4=6/8		200
BUS NPC IN	H		1								200
BUS NPC OUT	H	A02U1	1=01 *	T20			1				201
BUS NPC OUT	H	B05V2	1=02 *						6=8/8		201
BUS NPC OUT	H		1								201
BUS NPR	L	A01S2	1=01 *	T205			2				202
BUS NPR	L	A02S2	1=02 *	T205			1				202
BUS NPR	L	B05J1	1=03 *				2				202
BUS NPR	L	B05U2	1=04 *						11=8/8		202
BUS PA	L	A01M1	1=01 *	T205			1				203
BUS PA	L	A02M1	1=02 *	T205					2=6/8		203
BUS PA	L		1								203

TC11.F RUN NAME	HND288.V16(16) 03/31/72 A/P PIN NAME ORDER PIN	Q	DRAW RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 23 RUN NUMBER
BUS PB	L A01N2	1-01 *	T20S		1				204
BUS PB	L A02N2	1-02 *	T20S						204
BUS PB		1					2-6/8		204
BUS REQUEST	L B05P1	1-01 *			1				205
BUS REQUEST	L C05J2	1-02 *	T20				4-4/8		205
BUS REQUEST		1							205
BUS SACK	L A01R2	1-01 *	T20S		2				206
BUS SACK	L A02R2	1-02 *	T20S		1				206
BUS SACK	L B05T2	1-03 *	T19S						206
BUS SACK		1					8-6/8		206
BUS SSYN	L A00D1	1-01 *	T08		2				207
BUS SSYN	L B00K1	1-02 *	T08S		1				207
BUS SSYN	L B02U1	1-03 *	T20S		2				207
BUS SSYN	L B01U1	1-04 *	T20S		2				207
BUS SSYN		1					14-4/8		207
BUS TO DAT	H B17C1	1-01 *	T14		1				208
BUS TO DAT	H B15C1	1-02 *	T15		2				208
BUS TO DAT	H A15M2	1-03 *	T16		1				208
BUS TO DAT	H A17C1	1-04 *	T14		2				208
BUS TO DAT	H A15C2	1-05 *	T14		1				208
BUS TO DAT	H A15A1	1-06 *	T14		2				208
BUS TO DAT	H A15D1	1-07 *	T14		1				208
BUS TO DAT	H A15H1	1-08 *	T15		2				208
BUS TO DAT	H A15H1	1-09 *	T14		1				208
BUS TO DAT	H A15L1	1-10 *	T15		2				208
BUS TO DAT	H A15L2	1-11 *	T15		1				208
BUS TO DAT	H A15B1	1-12 *	T15		2				208
BUS TO DAT	H A15A2	1-13 *	T16		1				208
BUS TO DAT	H A15T2	1-14 *	T16		2				208
BUS TO DAT	H B15A1	1-15 *	T16		1				208
BUS TO DAT	H B15D1	1-16 *	T16		2				208
BUS TO DAT	H C15G1	1-17 *	T09S		1		53-0/8		208
BUS TO DAT		1							208
BUS TO MAINT	H A11B1	1-01 *	T10		1				209
BUS TO MAINT	H B12K1	1-02 *	T09S		2				209
BUS TO MAINT	H B13M2	1-03 *	T10		1				209
BUS TO MAINT	H B13J2	1-04 *	T10				12-2/8		209
BUS TO MAINT		1							209

TC11.F RUN NAME	HND288.V16(16) 03/31/72 A/P PIN NAME ORDER PIN	Q	DRAW RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 24 RUN NUMBER
BUS TO RWB	H B12N1	1-01 *	T09S		2				210
BUS TO RWB	H C17E1	1-02 *	T06		1				210
BUS TO RWB	H C17J1	1-03 *	T06		2				210
BUS TO RWB		1					11-0/8		210
BUS TO RWB		1							210
BUS TO TCBA	L B07R1	1-01 *	T21		2				211
BUS TO TCBA	L B07V2	1-02 *	T21		1				211
BUS TO TCBA	L C00M2	1-03 *	T09S				7-2/8		211
BUS TO TCBA		1							211
BUS TO TCCM	H A12K2	1-01 *	T11		2				212
BUS TO TCCM	H A12S1	1-02 *	T11		1				212
BUS TO TCCM	H C11E1	1-03 *	T09S				9-6/8		212
BUS TO TCCM		1							212
BUS TO TCCM+1	H A12F2	1-01 *	T11		2				213
BUS TO TCCM+1	H A11L2	1-02 *	T11		1				213
BUS TO TCCM+1	H A11N1	1-03 *	T11		2				213
BUS TO TCCM+1	H C11F2	1-04 *	T09S		1				213
BUS TO TCCM+1	H D00T2	1-05 *	T03				20-2/8		213
BUS TO TCCM+1		1							213
BUS TO TCWC	L A07E2	1-01 *	T22		1				214
BUS TO TCWC	L B07S1	1-02 *	T22		2				214
BUS TO TCWC	L C00H2	1-03 *	T09S				10-6/8		214
BUS TO TCWC		1							214
BUS TO XDAT	H A15C1	1-01 *	T14		2				215
BUS TO XDAT	H A15P1	1-02 *	T15		1				215
BUS TO XDAT	H B13K2	1-03 *	T09S				8-6/8		215
BUS TO XDAT		1							215
C0(0)	H C15B1	1-01 *	T06		1				216
C0(0)	H C15H1	1-02 *	T06		2				216
C0(0)	H C15N1	1-03 *	T06		1				216
C0(0)	H D15M2	1-04 *	T03		2				216
C0(0)	H D15V2	1-05 *	T02S		1				216
C0(0)	H D25K2	1-06 *	T04		2				216
C0(0)	H D25A1	1-07 *	T05				25-2/8		216
C0(0)		1							216

[illegible][illegible]

TC11,F RUN NAME	A/P	HND288.V16(16) 03/31/72			Q	DRAW	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 27 RUN NUMBER
PIN NAME	PIN	ORDER	BAY	ORDER											
C09D1	C09D1	D17H1	1-01 *	1	T098						1				238
C09D1	C09D1		1-02 *	1	T09								7-4/8		238
C09H2	C09H2		1-01 *	1	T028						1				239
C09H2	C09H2		1-02 *	1	T02								8-8/8		239
C09H2	C09H2		1-01 *	1	T028						1				239
C09H2	C09H2		1-02 *	1	T02								7-6/8		240
C09N1	C09N1		1-01 *	1	T02						1				240
C09N1	C09N1		1-02 *	1	T028								3-2/8		241
C09S2	C09S2		1-01 *	1	T02						1				241
C09S2	C09S2		1-02 *	1	T028								4-2/8		242
C09S2	C09S2		1-01 *	1	T028						1				242
C09S2	C09S2		1-02 *	1	T02								8-4/8		242
C09U1	C09U1		1-01 *	1	T028						1				243
C09U1	C09U1		1-02 *	1	T02								3-8/8		243
C09V1	C09V1		1-01 *	1	T02						1				244
C09V1	C09V1		1-02 *	1	T028								3-8/8		244
C110)	C110)		1-01 *	1	T028						2				245
C110)	C110)		1-02 *	1	T07						1				245
C110)	C110)		1-03 *	1	T04								9-4/8		245
C111)	C111)		1-01 *	1	T02						2				246
C111)	C111)		1-02 *	1	T05						1				246
C111)	C111)		1-03 *	1	T02										246
C111)	C111)		1-04 *	1	T02						1				246
C111)	C111)		1-05 *	1	T02						1				246
C111)	C111)		1-06 *	1	T02						1				246
C111)	C111)		1-07 *	1	T028						1				246
C111)	C111)		1-08 *	1	T05						1				246
C111)	C111)		1-09 *	1	T07						1				246
C111)	C111)		1-10 *	1	T05						1				246
C111)	C111)		1-11 *	1	T04						1				246
C111)	C111)		1-12 *	1	T06						1		48-4/8		246

TC11,F RUN NAME	A/P	HND288.V16(16) 03/31/72			Q	DRAW	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 28 RUN NUMBER
PIN NAME	PIN	ORDER	BAY	ORDER											
C11B1	C11B1		1-01 *	1	T078						1				247
C11B1	C11B1		1-02 *	1	T07						2				247
C11B1	C11B1		1-03 *	1	T07								10-6/8		247
C11S1	C11S1		1-01 *	1	T058						1				248
C11S1	C11S1		1-02 *	1	T05								9-4/8		248
C13J2	C13J2		1-01 *	1	T068						1				249
C13J2	C13J2		1-02 *	1	T06								3-8/8		249
C13P2	C13P2		1-01 *	1	T068						1				250
C13P2	C13P2		1-02 *	1	T06								3-4/8		250
C13V2	C13V2		1-01 *	1	T068						1				251
C13V2	C13V2		1-02 *	1	T06								3-6/8		251
C16E1	C16E1		1-01 *	1	T06						1				252
C16E1	C16E1		1-02 *	1	T068								3-4/8		252
C16J2	C16J2		1-01 *	1	T05						1				253
C16J2	C16J2		1-02 *	1	T058								5-2/8		253
C16L1	C16L1		1-01 *	1	T06						1				254
C16L1	C16L1		1-02 *	1	T068								3-6/8		254
C16P2	C16P2		1-01 *	1	T05						1				255
C16P2	C16P2		1-02 *	1	T058								5-8/8		255
C16S1	C16S1		1-01 *	1	T06						1				256
C16S1	C16S1		1-02 *	1	T068								3-8/8		256
C16V2	C16V2		1-01 *	1	T078						1				257
C16V2	C16V2		1-02 *	1	T07								3-4/8		257

[illegible]

TCU1.F RUN NAME	A/P PIN	HND28.V16(16) ORDER PIN	03/31/72 BAY ORDER	G DRAW RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	2112 EXCEPTIONS	PAGE 30 RUN NUMBER
C19M2		C19M2	1-01 *	T07S		1		7-2/8		270
C19M2		C11A1	1-02 *	T07						270
C49M2			1							270
C19N1		C19N1	1-01 *	T05S		1		4-2/8		271
C19N1		D20D1	1-02 *	T05						271
C19N1			1							271
C19U1		C17P2	1-01 *	T05		1				272
C19U1		C19U1	1-02 *	T05S				3-2/8		272
C19U1			1							272
C210)		C22B1	1-01 *	T02		2				273
C210)		C22H1	1-02 *	T02S		1				273
C210)		O17F2	1-03 *	T07		2				273
C210)		O16V1	1-04 *	T02		1				273
C210)		O13L2	1-05 *	T03				17-2/8		273
C210)			1							273
C211)		C23J1	1-01 *	T02		1				274
C211)		C22H2	1-02 *	T02		2				274
C211)		C22P2	1-03 *	T02S		1				274
C211)		D21E2	1-04 *	T02		2				274
C211)		C20U2	1-05 *	T03		2				274
C211)		C17U2	1-06 *	T07		1				274
C211)		O19F2	1-07 *	T05		2				274
C211)		C19B1	1-08 *	T05		1				274
C211)		C10C1	1-09 *	T07		2				274
C211)			1					31-6/8		274
C20J2		C20J2	1-01 *	T02S		1				275
C20J2		O19N2	1-02 *	T02				5-6/8		275
C20J2			1							275
C20L1		C06L1	1-01 *	T02		1				276
C20L1		C20L1	1-02 *	T02S				9-2/8		276
C20L1			1							276
C20P2		C11R1	1-01 *	T05		1				277
C20P2		C20P2	1-02 *	T05S				7-8/8		277
C20P2			1							277
C20S1		C20S1	1-01 *	T02S		1				278
C20S1		O19C1	1-02 *	T02				3-6/8		278
C20S1			1							278

TC11.F RUN NAME	A/P	HND288.V16(16) 03/31/72	Q	DRAW	RV	PG	Y	X	Z	REMARKS	24-MAY-72	LENGTH	21112 EXCEPTIONS	PAGE 31 RUN NUMBER
TC11.F RUN NAME	PIN	ORDER	PIN	NAME	ORDER	PIN	NAME	ORDER	PIN	NAME	ORDER	PIN	NAME	ORDER
C28V2	C19K1	1-01 *	T05	1										279
C28V2	C28V2	1-02 *	T05S											279
C28V2		1									3-6/8			279
C21D1	C18K2	1-01 *	T08	1										280
C21D1	C18L2	1-02 *	T08	2										280
C21D1	C21D1	1-03 *	T08S											280
C21D1		1									10-4/8			280
C21J1	C18M2	1-01 *	T08	1										281
C21J1	C21J1	1-02 *	T08S											281
C21J1		1									8-8/8			281
C21N1	C28R1	1-01 *	T02	1										282
C21N1	C21N1	1-02 *	T02S											282
C21N1		1									3-8/8			282
C21V1	A14F2	1-01 *	T03	1										283
C21V1	C21V1	1-02 *	T03S											283
C21V1		1									10-4/8			283
C23E1	C17J2	1-01 *	T04	1										284
C23E1	C23E1	1-02 *	T04S											284
C23E1		1									5-2/8			284
C23J2	C23J2	1-01 *	T02S	1										285
C23J2	D22H2	1-02 *	T02											285
C23J2		1									5-2/8			285
C23L1	C07M2	1-01 *	T02	1										286
C23L1	C23L1	1-02 *	T02S											286
C23L1		1									10-2/8			286
C23S1	C23E2	1-01 *	T02	1										287
C23S1	C23S1	1-02 *	T02S											287
C23S1		1									3-6/8			287
C28	C28E2	1-01 *	T02	2										288
C28	C21M1	1-02 *	T02	1										288
C28	D18R2	1-03 *	T07	2										288
C28	D18U1	1-04 *	T02S											288
C28		1									13-2/8			288
C3(0)	C22A1	1-01 *	T02S	1										289
C3(0)	C22L2	1-02 *	T02											289
C3(0)		1									3-6/8			289

T011.F	A/P	HND288.V19(16) 03/31/72	Q	DRAM	RV	PG	Y	X	Z	REMARKS	24=MAX-72	LENGTH	2112 EXCEPTIONS	PAGE 32
RUN NAME	PIN	NAME	ORDER	BAY	ORDER									RUN NUMBER
C3(1)	H	C22J2	* 1-01	*										290
C3(1)	H	C19F1	* 1-02	*										290
C3(1)	H	C19S1	* 1-03	*										290
C3(1)	H	D17E2	* 1-04	*										290
C3(1)	H	D15E2	* 1-05	*										290
C3(1)	H	D15P1	* 1-06	*										290
C3(1)	H	C09L2	* 1-07	*										290
C3(1)			1								25-4/8			290
CLEAR BUS	H	B06P2	* 1-01	*										291
CLEAR BUS	H	C07H2	* 1-02	*										291
CLEAR BUS	H	C21A1	* 1-03	*										291
CLEAR BUS			1								13-6/8			291
CLEAR BUS	J	B06N2	* 1-01	*										292
CLEAR BUS	J	B11J1	* 1-02	*										292
CLEAR BUS			1								4-6/8			292
CLEAR DAT	J	A16D1	* 1-01	*										293
CLEAR DAT	J	A16D1	* 1-02	*										293
CLEAR DAT	J	A16H2	* 1-03	*										293
CLEAR DAT	J	A16L1	* 1-04	*										293
CLEAR DAT	J	A16P2	* 1-05	*										293
CLEAR DAT	J	A16T2	* 1-06	*										293
CLEAR DAT	J	B16D1	* 1-07	*										293
CLEAR DAT	J	B16H2	* 1-08	*										293
CLEAR DAT	J	B16L1	* 1-09	*										293
CLEAR DAT	J	B16P2	* 1-10	*										293
CLEAR DAT	J	B16T2	* 1-11	*										293
CLEAR DAT	J	B16T2	* 1-12	*										293
CLEAR DAT	J	B16P2	* 1-13	*										293
CLEAR DAT	J	B16H2	* 1-14	*										293
CLEAR DAT	J	B16D1	* 1-15	*										293
CLEAR DAT	J	B16L1	* 1-16	*										293
CLEAR DAT	J	C11H1	* 1-17	*										293
CLEAR DAT			1								49-0/8			293
CLEAR RMB2-0	J	C09J1	* 1-01	*										294
CLEAR RMB2-0	J	C14K2	* 1-02	*										294
CLEAR RMB2-0			1								5-0/8			294
CLEAR XDAT	J	A16P2	* 1-01	*										295
CLEAR XDAT	J	A16T2	* 1-02	*										295
CLEAR XDAT	J	C06B1	* 1-03	*										295
CLEAR XDAT			1								10-6/8			295

TC11.F		HND288.V15(16) 03/31/72		0		X		Z		REMARKS		24-MAY-72		21112		PAGE 33	
RUN NAME	A/P	PIN	ORDER	BAY	Q	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN	NUMBER		
CLK(0)	H	A14N1	1-01 *	T105						1		15-6/8		296			
CLK(0)	H	A14K1	1-02 *	T10						1				296			
CLK(0)	H	A14T2	1-03 *											296			
CLK(0)	H	D08A1	1-04 *											296			
CLK(1)	H	A14M1	1-01 *	T105						1		5-4/8		297			
CLK(1)	H	B09D1	1-02 *	T10										297			
CLOCK DAT	H	B16R1	1-01 *	T14						2				298			
CLOCK DAT	H	B16M2	1-02 *	T14						2				298			
CLOCK DAT	H	B16J1	1-03 *	T14						2				298			
CLOCK DAT	H	B16E2	1-04 *	T14						2				298			
CLOCK DAT	H	B16B1	1-05 *	T14						2				298			
CLOCK DAT	H	A16R1	1-06 *	T16						2				298			
CLOCK DAT	H	A16M2	1-07 *	T16						2				298			
CLOCK DAT	H	A16J1	1-08 *	T16						2				298			
CLOCK DAT	H	A16E2	1-09 *	T16						2				298			
CLOCK DAT	H	A16B1	1-10 *	T16						2				298			
CLOCK DAT	H	A14R1	1-11 *	T16						2				298			
CLOCK DAT	H	A14M2	1-12 *	T16						2				298			
CLOCK DAT	H	A14J1	1-13 *	T16						2				298			
CLOCK DAT	H	B14R1	1-14 *	T15						2				298			
CLOCK DAT	H	B14E2	1-15 *	T15						2				298			
CLOCK DAT	H	B14J1	1-16 *	T15						2				298			
CLOCK DAT	H	B14M2	1-17 *	T15						2				298			
CLOCK DAT	H	B14R1	1-18 *	T15						2				298			
CLOCK DAT	H	B14E2	1-19 *	T15						2				298			
CLOCK DAT	H	B14J1	1-20 *	T15						2				298			
CLPB	H	C19B1	1-01 *	T06						2		19-4/8		299			
CLPB	H	C19D2	1-02 *	T06						2				299			
CLPB	H	C19H1	1-03 *	T06						2				299			
CLPB	H	C19N1	1-04 *	T06						2				299			
CLPB	H	C19S2	1-05 *	T06						2				299			
CLPB	H	C19L2	1-06 *	T06						2				299			
CLPB	H	C19L1	1-07 *	T075						2				299			
CON ALL HALT	H	A19T2	1-01 *	T129						1		3-4/8		300			
CON ALL HALT	H	A20J1	1-02 *	T12										300			
CON FMD REM	H	A19U1	1-01 *	T129						1		3-6/8		301			
CON FMD REM	H	A20M1	1-02 *	T12										301			

TC11.F		HND288.V15(16) 03/31/72		0		X		Z		REMARKS		24-MAY-72		21112		PAGE 34	
RUN NAME	A/P	PIN	ORDER	BAY	Q	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN	NUMBER		
CON GO	H	A19S1	1-01 *	T129						1		4-0/8		302			
CON GO	H	A20D1	1-02 *	T12										302			
CON POWER UP DLY	L	A19V2	1-01 *	T129						1		3-4/8		303			
CON POWER UP DLY	L	A20L1	1-02 *	T12										303			
CON REV REM	H	A19R2	1-01 *	T128						1		3-4/8		304			
CON REV REM	H	A20E1	1-02 *	T12										304			
CON STOP	H	A19P1	1-01 *	T129						1		4-0/8		305			
CON STOP	H	A20B1	1-02 *	T12										305			
D04A1		A08F2	1-01 *	T048						1		17-0/8		306			
D04A1		B11N2	1-02 *	T04						2				306			
D04A1		D04B1	1-03 *	T04S						1				306			
D04A1		D04A1	1-04 *	T04S										306			
D04K1		D04P2	1-01 *	T04						1		5-2/8		307			
D04K1		D04P1	1-02 *	T04						2				307			
D04K1		D04K1	1-03 *	T04S										307			
D04T2		D04S1	1-01 *	T04						2				308			
D04T2		D04S2	1-02 *	T04						1				308			
D04T2		D04T2	1-03 *	T04S								5-0/8		308			
D05A1		D05A1	1-01 *	T04S						1		2-4/8		309			
D05A1		D05C1	1-02 *	T04										309			
D05D1		D05D1	1-01 *	T04S						1		2-4/8		310			
D05D1		D05D2	1-02 *	T04										310			
D05F2		C23A1	1-01 *	T04						1		12-4/8		311			
D05F2		D05F2	1-02 *	T04S										311			
D05M2		D05M2	1-01 *	T04S						1		2-6/8		312			
D05M2		D05R2	1-02 *	T04										312			

TC11.F RUN NAME	A/P PIN	HND285.V15(16) 03/31/72 ORDER PIN	Q NAME	0 DRAW RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	2112 EXCEPTIONS	PAGE 35 RUN NUMBER
D05P1	D05P1	D05P1	D05P1	1-01 *		1	T048			313
D05P1	D05P1	D05P1	D05P1	1-02 *			T04	3-0/8		313
D05P1	D05P1	D05P1	D05P1	1						313
D06C1	D06C1	D06C1	D06C1	1-01 *		1	T03S			314
D06C1	D06C1	D06C1	D06C1	1-02 *			T03	7-2/8		314
D06C1	D06C1	D06C1	D06C1	1						314
D06F1	D06F1	D06F1	D06F1	1-01 *		1	T03S			315
D06F1	D06F1	D06F1	D06F1	1-02 *			T03	6-6/8		315
D06F1	D06F1	D06F1	D06F1	1						315
D06F2	D06F2	D06F2	D06F2	1-01 *		1	T03S			316
D06F2	D06F2	D06F2	D06F2	1-02 *			T03	6-6/8		316
D06F2	D06F2	D06F2	D06F2	1						316
D06K2	D06K2	D06K2	D06K2	1-01 *		1	T03S			317
D06K2	D06K2	D06K2	D06K2	1-02 *			T03	2-4/8		317
D06K2	D06K2	D06K2	D06K2	1						317
D06N1	D06N1	D06N1	D06N1	1-01 *		2	T03			318
D06N1	D06N1	D06N1	D06N1	1-02 *		1	T03			318
D06N1	D06N1	D06N1	D06N1	1-03 *			T03S	10-4/8		318
D06N1	D06N1	D06N1	D06N1	1						318
D06S2	D06S2	D06S2	D06S2	1-01 *		1	T03S			319
D06S2	D06S2	D06S2	D06S2	1-02 *			T03	4-0/8		319
D06S2	D06S2	D06S2	D06S2	1						319
D06V2	D06V2	D06V2	D06V2	1-01 *		1	T03S			320
D06V2	D06V2	D06V2	D06V2	1-02 *			T03	3-4/8		320
D06V2	D06V2	D06V2	D06V2	1						320
D07K1	D07K1	D07K1	D07K1	1-01 *		1	T02			321
D07K1	D07K1	D07K1	D07K1	1-02 *			T02S	10-6/8		321
D07K1	D07K1	D07K1	D07K1	1						321
D08C1	D08C1	D08C1	D08C1	1-01 *		1	T04S			322
D08C1	D08C1	D08C1	D08C1	1-02 *		2	T04			322
D08C1	D08C1	D08C1	D08C1	1-03 *			T04	6-4/8		322
D08C1	D08C1	D08C1	D08C1	1						322
D08F1	D08F1	D08F1	D08F1	1-01 *		1	T04			323
D08F1	D08F1	D08F1	D08F1	1-02 *		2	T04S			323
D08F1	D08F1	D08F1	D08F1	1-03 *		1	T04			323
D08F1	D08F1	D08F1	D08F1	1-04 *			T04	8-2/8		323
D08F1	D08F1	D08F1	D08F1	1						323

TC11.F RUN NAME	A/P PIN	HND285.V15(16) 03/31/72 ORDER PIN	Q NAME	0 DRAW RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	2112 EXCEPTIONS	PAGE 36 RUN NUMBER
D08F2	D08F2	D08F2	D08F2	1-01 *		2	T04			324
D08F2	D08F2	D08F2	D08F2	1-02 *		1	T04			324
D08F2	D08F2	D08F2	D08F2	1-03 *		2	T04			324
D08F2	D08F2	D08F2	D08F2	1-04 *			T04S	7-6/8		324
D08F2	D08F2	D08F2	D08F2	1						324
D08N2	D08N2	D08N2	D08N2	1-01 *		1	T04S			325
D08N2	D08N2	D08N2	D08N2	1-02 *			T04	2-6/8		325
D08N2	D08N2	D08N2	D08N2	1						325
D08S1	D08S1	D08S1	D08S1	1-01 *		1	T04S			326
D08S1	D08S1	D08S1	D08S1	1-02 *			T04	5-0/8		326
D08S1	D08S1	D08S1	D08S1	1						326
D08V2	D08V2	D08V2	D08V2	1-01 *		1	T03S			327
D08V2	D08V2	D08V2	D08V2	1-02 *			T03	5-2/8		327
D08V2	D08V2	D08V2	D08V2	1						327
D09F2	D09F2	D09F2	D09F2	1-01 *		1	T04S			328
D09F2	D09F2	D09F2	D09F2	1-02 *			T04	4-2/8		328
D09F2	D09F2	D09F2	D09F2	1						328
D09L2	D09L2	D09L2	D09L2	1-01 *		1	T04S			329
D09L2	D09L2	D09L2	D09L2	1-02 *			T04	4-4/8		329
D09L2	D09L2	D09L2	D09L2	1						329
D10T2	D10T2	D10T2	D10T2	1-01 *		1	T10			330
D10T2	D10T2	D10T2	D10T2	1-02 *			T10S	9-2/8		330
D10T2	D10T2	D10T2	D10T2	1						330
D10V2	D10V2	D10V2	D10V2	1-01 *		1	T10			331
D10V2	D10V2	D10V2	D10V2	1-02 *			T10S	2-6/8		331
D10V2	D10V2	D10V2	D10V2	1						331
D11B1	D11B1	D11B1	D11B1	1-01 *		1	T04S			332
D11B1	D11B1	D11B1	D11B1	1-02 *			T04	2-6/8		332
D11B1	D11B1	D11B1	D11B1	1						332
D11C1	D11C1	D11C1	D11C1	1-01 *		1	T04			333
D11C1	D11C1	D11C1	D11C1	1-02 *			T04S	2-4/8		333
D11C1	D11C1	D11C1	D11C1	1						333
D11E2	D11E2	D11E2	D11E2	1-01 *		1	T04S			334
D11E2	D11E2	D11E2	D11E2	1-02 *			T04	6-2/8		334
D11E2	D11E2	D11E2	D11E2	1						334

TC11.F		HND288.V16(16) 03/31/72		24-MAY-72		2112		PAGE 37	
RUN NAME		A/P NAME	ORDER PIN	BAY ORDER	Q	DRAM RV PG Y	X	Z	REMARKS
D11H2		B13T2		1-01 *		T04		1	
D11H2		D11H2		1-02 *		T04S			
D11H2				1					
D11M2		D11M2		1-01 *		T04S		1	
D11M2		D11P2		1-08 *		T04			
D11M2				1					
D11P1		D11P1		1-01 *		T04S		1	
D11P1		D11V1		1-08 *		T04			
D11P1				1					
D12V2		D21T2		1-01 *		T03		1	
D12V2		D12V2		1-02 *		T03S			
D12V2				1					
D13N1		D13N1							
D13N2		D13N2		1-01 *		T03S		1	
D13N2		D13M1		1-02 *		T03			
D13N2				1					
D13S1		A13S1		1-01 *		T03		1	
D13S1		D13S1		1-02 *		T03S			
D13S1				1					
D14D1		C10F1		1-01 *		T07		1	
D14D1		C10J1		1-02 *		T07		2	
D14D1		D14D1		1-03 *		T07S			
D14D1				1					
D14M2		D14M2		1-01 *		T03S		1	
D14M2		D20L2		1-02 *		T03			
D14M2				1					
D14J1		C10H1		1-01 *		T07		1	
D14J1		C10K1		1-02 *		T07		2	
D14J1		D14J1		1-03 *		T07S			
D14J1				1					
D14M2		D14M2		1-01 *		T07S		1	
D14M2		C19J2		1-02 *		T07			
D14M2				1					
D14U1		D07T2		1-01 *		T03		1	
D14U1		D14U1		1-02 *		T03S			
D14U1				1					

1-PIN RUN

TC11.F		HND288.V16(16) 03/31/72		24-MAY-72		2112		PAGE 38	
RUN NAME		A/P NAME	ORDER PIN	BAY ORDER	Q	DRAM RV PG Y	X	Z	REMARKS
D14V1		B11M2		1-01 *		T04		1	
D14V1		D14V1		1-02 *		T04S			
D14V1				1					
D15J2		C11N1		1-01 *		T05		1	
D15J2		D15J2		1-02 *		T05S			
D15J2				1					
D16J2		C16P2		1-01 *		T07		1	
D16J2		D16J2		1-02 *		T07S			
D16J2				1					
D16R2		D16R2		1-01 *		T02S		1	
D16R2		D16R1		1-02 *		T02			
D16R2				1					
D17E1		D12U2		1-01 *		T03		1	
D17E1		D17E1		1-02 *		T03S			
D17E1				1					
D17J2		D16H2		1-01 *		T07		1	
D17J2		D17J2		1-02 *		T07S			
D17J2				1					
D17L1		C11F1		1-01 *		T09		1	
D17L1		D17L1		1-02 *		T09S			
D17L1				1					
D17P2		D12M2		1-01 *		T04		1	
D17P2		D17P2		1-02 *		T04S			
D17P2				1					
D17S1		D07J1		1-01 *		T03		1	
D17S1		D17S1		1-02 *		T03S			
D17S1				1					
D17V2		C06A1		1-01 *		T09		1	
D17V2		D17V2		1-02 *		T09S			
D17V2				1					
D20F2		C19E2		1-01 *		T05		1	
D20F2		D20F2		1-02 *		T05S			
D20F2				1					
D20N1		D20N2		1-01 *		T03		1	
D20N1		D20N1		1-02 *		T03S			
D20N1				1					

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[illegible]

T011,F RUN NAME	A/P	HND200-V10(16) 03/31/72 PIN NAME	ORDER PIN	BUY - ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 40 RUN NUMBER
D22N1		D19N2		1-01 *		T02					1				370
D22N1		D22N1		1-02 *		T02S									370
D22N1				1											370
D22N2		D22N2		1-01 *		T07S					1		3-6/8		371
D22N2		D22N1		1-02 *		T07									371
D22N2				1											371
D22S1		C17L1		1-01 *		T07					1				372
D22S1		D22N2		1-02 *		T07					2				372
D22S1		D22S1		1-03 *		T07S									372
D22S1				1									9-2/8		372
D22S2		D22S2		1-01 *							1				373
D22S2		B12U2		1-02 *											373
D22S2				1									9-4/8		373
D30D2		C22D2		1-01 *		T02					1				374
D30D2		C22N1		1-02 *		T02					2				374
D30D2		C22V2		1-03 *		T02					1				374
D30D2		D22D2		1-04 *		T02S									374
D30D2				1									10-2/8		374
D33F2		C20J1		1-01 *		T02					1				375
D33F2		D23F2		1-02 *		T02S									375
D33F2				1									5-4/8		375
D23J2		D12R1		1-01 *		T04					1				376
D23J2		D23J2		1-02 *		T04S									376
D23J2				1									8-4/8		376
D23L2		D07E1		1-01 *		T03					1				377
D23L2		D23L2		1-02 *		T03S									377
D23L2				1									11-0/8		377
D23R2		C07L1		1-01 *		T19					1				378
D23R2		D23R2		1-02 *		T19S									378
D23R2				1									12-0/8		378
DAT EN	H	C13S2		1-01 *		T06					2				379
DAT EN	H	C13L2		1-02 *		T06					1				379
DAT EN	H	C13E2		1-03 *		T06					2				379
DAT EN	H	C10B1		1-04 *		T06					1				379
DAT EN	H	C10H1		1-05 *		T06					2				379
DAT EN	H	C10N1		1-06 *		T06					1				379
DAT EN	H	D10M1		1-07 *		T05									379
DAT EN				1									21-0/8		379

TC11.F RUN NAME	A/P	PIN NAME	HND280.V16(16) 03/31/72 ORDER PIN ORDER DAY	Q	DRAW RV PG Y X Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 43 RUN NUMBER
DAT06(1)	H	A17K1	1-01 *			T16			396
DAT06(1)	H	A16V2	1-02 *			T16S			396
DAT06(1)	H	B09E1	1-03 *			T16			396
DAT06(1)			1				10-2/8		396
DAT07(0)	H	B14U2	1-01 *			T15S			397
DAT07(0)	H	B15N1	1-02 *			T15			397
DAT07(0)			1				3-2/8		397
DAT07(1)	H	B14V2	1-01 *			T15S			398
DAT07(1)	H	B15K1	1-02 *			T15			398
DAT07(1)	H	B09B1	1-03 *			T16			398
DAT07(1)			1				9-0/8		398
DAT08(0)	H	B16U2	1-01 *			T14S			399
DAT08(0)	H	B17N1	1-02 *			T14			399
DAT08(0)			1				3-2/8		399
DAT08(1)	H	A09R1	1-01 *			T17			400
DAT08(1)	H	B17K1	1-02 *			T14			400
DAT08(1)	H	B16V2	1-03 *			T14S			400
DAT08(1)			1				10-6/8		400
DAT09(0)	H	A16R2	1-01 *			T16S			401
DAT09(0)	H	A17E2	1-02 *			T16			401
DAT09(0)			1				3-6/8		401
DAT09(1)	H	A16S2	1-01 *			T16S			402
DAT09(1)	H	A15U2	1-02 *			T16			402
DAT09(1)	H	A09M2	1-03 *			T17			402
DAT09(1)			1				8-6/8		402
DAT10(0)	H	B14R2	1-01 *			T15S			403
DAT10(0)	H	B15E2	1-02 *			T15			403
DAT10(0)			1				3-6/8		403
DAT10(1)	H	A09M1	1-01 *			T17			404
DAT10(1)	H	A15H2	1-02 *			T15			404
DAT10(1)	H	B14S2	1-03 *			T15S			404
DAT10(1)			1				12-0/8		404
DAT11(0)	H	B16R2	1-01 *			T14S			405
DAT11(0)	H	B17E2	1-02 *			T14			405
DAT11(0)			1				3-6/8		405

TC11,F RUN NAME	A/P	NAME	ORDER PIN	BAY ORDER	Q	DRAW	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 44 RUN NUMBER
DAT11(1)	H	A09J2		1-01 *		T17					2				406
DAT11(1)	H	A15K1		1-02 *		T14					1				406
DAT11(1)	H	B16S2		1-03 *		T14S									406
DAT11(1)				1									11-2/8		406
DAT12(0)	H	A17L2		1-01 *		T16					2				407
DAT12(0)	H	A16J2		1-02 *		T16S					1				407
DAT12(0)	H	C15M1		1-03 *		T06							11-2/8		407
DAT12(0)				1											407
DAT12(1)	H	A09J1		1-01 *		T17					1				408
DAT12(1)	H	A16K2		1-02 *		T16S									408
DAT12(1)				1									6-0/8		408
DAT13(0)	H	B14J2		1-01 *		T15					2				409
DAT13(0)	H	B15L2		1-02 *		T15					1				409
DAT13(0)	H	C16F1		1-03 *		T06									409
DAT13(0)				1									7-4/8		409
DAT13(1)	H	A09E2		1-01 *		T17					1				410
DAT13(1)	H	B16K2		1-02 *		T15									410
DAT13(1)				1									6-6/8		410
DAT14(0)	H	B17L2		1-01 *		T14					2				411
DAT14(0)	H	B16J2		1-02 *		T14S					1				411
DAT14(0)	H	C16A1		1-03 *		T06									411
DAT14(0)				1									7-2/8		411
DAT14(1)	H	A09E1		1-01 *		T17					1				412
DAT14(1)	H	B16K2		1-02 *		T14S									412
DAT14(1)				1									7-4/8		412
DAT15(0)	H	A17S2		1-01 *		T16					2				413
DAT15(0)	H	A14E1		1-02 *		T16S					1				413
DAT15(0)	H	C17R2		1-03 *		T06									413
DAT15(0)				1									13-4/8		413
DAT15(1)	H	A09B1		1-01 *		T17					1				414
DAT15(1)	H	A14F1		1-02 *		T16S									414
DAT15(1)				1									5-0/8		414
DAT16(0)	H	A14U2		1-01 *		T15S					1				415
DAT16(0)	H	B15S2		1-02 *		T15					2				415
DAT16(0)	H	C15K2		1-03 *		T06									415
DAT16(0)				1									9-4/8		415

TC11.F RUN NAME	A/P PIN	HND288.V16(16) NAME	03/31/72 ORDER	BAY - ORDER	Q DRAW	RV	Pg	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 45 RUN NUMBER
DATA DAT16(1) DAT16(1) DAT16(1)	H	A14V2 B08P1	1-01 1-02 1	*	T14S T16					1		6-2/8		416 416 416
DATA DAT17(0) DAT17(0) DAT17(0) DAT17(0)	H	A14R2 B17S2 C13D2	1-01 1-02 1-03 1	*	T14S T14 T06					1		10-4/8		417 417 417 417
DATA DAT17(1) DAT17(1) DAT17(1)	H	A14S2 B09L2	1-01 1-02 1	*	T14S T16					1		5-6/8		418 418 418
DATA DATA DATA	H	D16D1 D16K2	1-01 1-02 1	*	T07 T07S					1		3-6/8		419 419 419
DATA DATA DATA	L	D20B1 D20E2 D16E1	1-01 1-02 1-03 1	*	T05 T05 T07S					1		7-2/8		420 420 420 420
DATA DATA DATA	H	C19P1 C20S2 C20C1	1-01 1-02 1-03 1	*	T05 T05 T05S					2				421 421 421 421
DATA DATA DATA	L	C08S1 D16B1	1-01 1-02 1	*	T08 T03S					1		7-0/8		422 422 422
DATA DATA DATA	H	D07S2 D15T2	1-01 1-02 1	*	T03S T03					1		6-4/8		423 423 423
DATA DATA DATA	H	A09L2 D07R2	1-01 1-02 1	*	T17 T03S					1		11-2/8		424 424 424 424
DATA DATA DATA	H	C08T2 B15P1 D13T2	1-01 1-02 1-03 1	*	T04S T04 T04					2		15-0/8		425 425 425 425

TC11.F RUN NAME	A/P PIN	HND288.V16(16) NAME	03/31/72 ORDER	BAY - ORDER	Q DRAW	RV	Pg	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 46 RUN NUMBER
DECODE DLY DECODE DLY DECODE DLY DECODE DLY DECODE DLY	L	B13N1 C06S2 D08M2 D20U2 C21N2	1-01 1-02 1-03 1-04 1-05 1	*	T04S T04 T04 T04 T04					1		26-6/8		426 426 426 426 426
DECODE DLY DECODE DLY DECODE DLY	H	B13U2 C06S1	1-01 1-02 1	*	T04 T11S					1		7-0/8		427 427 427
DECODE DLY DECODE DLY DECODE DLY	H	A12U2 A08D1 C06R1	1-01 1-02 1-03 1	*	T11S T17 T11					2		14-4/8		428 428 428 428
DECODE DLY DECODE DLY DECODE DLY	H	D21L1 D21P1 D16V2 D14L2	1-01 1-02 1-03 1-04 1	*	T05 T05 T05S T07					1		11-2/8		429 429 429 429
DECODE DLY DECODE DLY DECODE DLY	L	B11B1 D14S1 D16U2 D23P2 C21H2	1-01 1-02 1-03 1-04 1-05 1	*	T03 T03 T05 T05 T05S					1		25-6/8		430 430 430 430 430
DECODE DLY DECODE DLY DECODE DLY	H	C11R2 D13V2	1-01 1-02 1	*	T05S T03					1		4-6/8		431 431 431
DECODE DLY DECODE DLY DECODE DLY	L	C11P2 D21N1	1-01 1-02 1	*	T05 T05S					1		8-2/8		432 432 432
DECODE DLY DECODE DLY DECODE DLY	H	D16N2			T05S							1-PIN RUN		433

TC11.F RUN NAME	A/P	HND288.V16(16) 03/31/72 PIN ORDER NAME	Q	DRAW RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 47 RUN NUMBER
DO STROBE	J	C03H2	1-01 *	T02		1				434
DO STROBE	J	C21S1	1-02 *	T05S		1				434
DO STROBE	J	D16H2	1-03 *	T05S		1				434
DO STROBE	J	C12S1	1-04 *	T05		1				434
DO STROBE	J	C06N2	1-05 *	T02		1				434
DO STROBE	J	C07M1	1-06 *	T19		1				434
DO STROBE	J	D07M1	1-07 *	T02		1				434
DO STROBE	J	D05K2	1-08 *	T04		1		32-6/8		434
DO STROBE	J		1							434
DTP1	H	C23R1	1-01 *	T02		2				435
DTP1	H	D14R1	1-02 *	T03		1				435
DTP1	H	C04H2	1-03 *	T05S		1		16-6/8		435
DTP1	H		1							435
ENDZ(0)	H	B24D2	1-01 *	T24		1				436
ENDZ(0)	H	D17H2	1-02 *	T04		1				436
ENDZ(0)	H	D15M1	1-03 *	T03		1				436
ENDZ(0)	H	D07L1	1-04 *	T03S		1		19-6/8		436
ENDZ(0)	H		1							436
ENDZ(1)	H	A09A1	1-01 *	T17		1				437
ENDZ(1)	H	D07F2	1-02 *	T03		1		11-2/8		437
ENDZ(1)	H		1							437
ERROR	H	A08B1	1-01 *			1				438
ERROR	H	D12S2	1-02 *		R1	1				438
ERROR	H	D15V2	1-03 *		R1	1				438
ERROR	H		1		R1	1		17-2/8		438
ERROR	J	D22R2	1-01 *			1				439
ERROR	J	D23R1	1-02 *		R1	1				439
ERROR	J	C23D2	1-03 *		R1	1				439
ERROR	J	B24N2	1-04 *		R1	1				439
ERROR	J	C20K1	1-05 *		R1	1				439
ERROR	J	D12T2	1-06 *		I	1		26-2/8		439
ERROR	J		1							439
ERROR DISABLE	H	B12R1	1-01 *	T12		2				440
ERROR DISABLE	H	D14N1	1-02 *	T03S		1				440
ERROR DISABLE	H	D13R2	1-03 *	T03		1		10-4/8		440
ERROR DISABLE	H		1							440

TC11.F RUN NAME	A/P	HND288.V16(16) 03/31/72 PIN ORDER NAME	Q	DRAW RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 48 RUN NUMBER
ERROR STP	J	C23D1	1-01 *	T04		2				441
ERROR STP	J	C21R2	1-02 *	T04		1				441
ERROR STP	J	D12N2	1-03 *	T04S		1				441
ERROR STP	J	D08P1	1-04 *	T04		1		16-6/8		441
ERROR STP	J		1							441
FCT1(0)	H	A06P1	1-01 *	T11S		1				442
FCT1(0)	H	B24K2	1-02 *	T24		1		12-4/8		442
FCT1(0)	H		1							442
FCT1(1)	H	A12L2	1-01 *	T11S		1				443
FCT1(1)	H	A06N1	1-02 *	T11		2				443
FCT1(1)	H	B08R1	1-03 *	T10		1				443
FCT1(1)	H	C12V1	1-04 *	T05		1		17-6/8		443
FCT1(1)	H		1							443
FCT2(0)	H	A06M1	1-01 *	T11S		1				444
FCT2(0)	H	B24P2	1-02 *	T24		1		12-6/8		444
FCT2(0)	H		1							444
FCT2(1)	H	B08L1	1-01 *	T10		1				445
FCT2(1)	H	A06L1	1-02 *	T11		2				445
FCT2(1)	H	A12T2	1-03 *	T11S		1				445
FCT2(1)	H	C12U2	1-04 *	T05		1		19-2/8		445
FCT2(1)	H		1							445
FCT3(0)	H	B06J2	1-01 *	T00		2				446
FCT3(0)	H	C06N2	1-02 *	T11S		1				446
FCT3(0)	H	C17L2	1-03 *	T07		1				446
FCT3(0)	H	C21F1	1-04 *	T00		1				446
FCT3(0)	H	C22J2	1-05 *	T02		1				446
FCT3(0)	H	B24F2	1-06 *	T24		1		31-4/8		446
FCT3(0)	H		1							446
FCT3(1)	H	A12M2	1-01 *	T11S		2				447
FCT3(1)	H	B06M1	1-02 *	T10		1				447
FCT3(1)	H	C06M2	1-03 *	T11		2				447
FCT3(1)	H	C12V2	1-04 *	T05		1				447
FCT3(1)	H	C21B1	1-05 *	T00		1				447
FCT3(1)	H		1					24-4/8		447
FORWARD	J	A19V1	1-01 *	T12		1				448
FORWARD	J	C21U1	1-02 *			1		7-6/8		448
FORWARD	J		1							448

TC11.F RUN NAME	A/P	HND28B.V16(16) 03/31/72 PIN ORDER NAME	Q	DRAW	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 51 RUN NUMBER
GND 07		A07C2	1-01 *										455
GND 07		A07F1	1-02 *										455
GND 07		A07T1	1-03 *										455
GND 07		B07C2	1-04 *										455
GND 07		B07T1	1-05 *										455
GND 07		C07C2	1-06 *										455
GND 07		C07T1	1-07 *										455
GND 07		D07C2	1-08 *										455
GND 07		D07T1	1-09 *										455
			1								28=4/8		455
GND 08		A08A1	1-01 *										456
GND 08		A08C2	1-02 *										456
GND 08		A08T1	1-03 *										456
GND 08		B08C2	1-04 *										456
GND 08		B08T1	1-05 *										456
GND 08		C08C2	1-06 *										456
GND 08		C08T1	1-07 *										456
GND 08		D08C2	1-08 *										456
GND 08		D08T1	1-10 *										456
			1								31=4/8		456
GND 09		A09C2	1-01 *										457
GND 09		A09T1	1-02 *										457
GND 09		B09C2	1-03 *										457
GND 09		B09T1	1-04 *										457
GND 09		C09C2	1-05 *										457
GND 09		C09T1	1-06 *										457
GND 09		D09C2	1-07 *										457
GND 09		D09T1	1-08 *										457
			1								26=2/8		457
GND 10		A10C2	1-01 *										458
GND 10		A10T1	1-02 *										458
GND 10		B10C2	1-03 *										458
GND 10		B10T1	1-04 *										458
GND 10		C10C2	1-05 *										458
GND 10		C10T1	1-06 *										458
GND 10		D10C2	1-07 *										458
GND 10		D10T1	1-08 *										458
			1								26=2/8		458

TC11.F RUN NAME	A/P	HND28B.V16(16) 03/31/72 PIN ORDER NAME	Q	DRAW	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 52 RUN NUMBER
GND 11		A11C2	1-01 *										459
GND 11		A11T1	1-02 *										459
GND 11		B11C2	1-03 *										459
GND 11		B11T1	1-04 *										459
GND 11		C11C1	1-05 *										459
GND 11		C11C2	1-06 *										459
GND 11		C11M2	1-07 *										459
GND 11		C11N2	1-08 *										459
GND 11		C11T1	1-09 *										459
GND 11		D11C2	1-10 *										459
GND 11		D11K2	1-11 *										459
GND 11		D11L2	1-12 *										459
GND 11		D11T1	1-13 *										459
			1								40=6/8		459
GND 12		A12C2	1-01 *										460
GND 12		A12C1	1-02 *										460
GND 12		A12F1	1-03 *										460
GND 12		A12J1	1-04 *										460
GND 12		B12C2	1-05 *										460
GND 12		B12T1	1-06 *										460
GND 12		C12C2	1-07 *										460
GND 12		C12T1	1-08 *										460
GND 12		C12U1	1-09 *										460
GND 12		D12C2	1-10 *										460
GND 12		D12T1	1-11 *										460
			1								35=6/8		460

TC11.F		HND288.V16(16) 03/31/72		Q		X		REMARKS		24-MAY-72	21112	PAGE 53
RUN NAME	A/P	PIN NAME	ORDER	Q	RV	PG	Y	X	Z	LENGTH	EXCEPTIONS	RUN NUMBER
GND 13		A19C2	1-01 *						N	49-4/8		461
GND 13		A19T1	1-02 *						N			461
GND 13		B19C2	1-03 *						N			461
GND 13		B19T1	1-04 *						N			461
GND 13		C19C2	1-05 *						N			461
GND 13		C19F2	1-06 *						N			461
GND 13		C19E1	1-07 *						N			461
GND 13		C19H2	1-08 *						N			461
GND 13		C19L1	1-09 *						N			461
GND 13		C19M2	1-10 *						N			461
GND 13		C19N2	1-11 *						N			461
GND 13		C19T1	1-12 *						N			461
GND 13		C19S1	1-13 *						N			461
GND 13		C19U2	1-14 *						N			461
GND 13		C19V2	1-15 *						N			461
GND 13		D19C2	1-16 *						N			461
GND 13		D19T1	1-17 *						N			461
GND 14		A19C2	1-01 *						N	26-2/8		462
GND 14		A19T1	1-02 *						N			462
GND 14		B19C2	1-03 *						N			462
GND 14		B19T1	1-04 *						N			462
GND 14		C19C2	1-05 *						N			462
GND 14		C19T1	1-06 *						N			462
GND 14		D19C2	1-07 *						N			462
GND 14		D19T1	1-08 *						N			462
GND 15		A19C2	1-01 *						N	26-2/8		463
GND 15		A19T1	1-02 *						N			463
GND 15		B19C2	1-03 *						N			463
GND 15		B19T1	1-04 *						N			463
GND 15		C19C2	1-05 *						N			463
GND 15		C19T1	1-06 *						N			463
GND 15		D19C2	1-07 *						N			463
GND 15		D19T1	1-08 *						N	26-2/8		463

TC11.F		HND288.V16(16) 03/31/72		Q		X		REMARKS		24-MAY-72	21112	PAGE 54
RUN NAME	A/P	PIN NAME	ORDER	Q	RV	PG	Y	X	Z	LENGTH	EXCEPTIONS	RUN NUMBER
GND 16		A19C2	1-01 *						N	26-2/8		464
GND 16		A19T1	1-02 *						N			464
GND 16		B19C2	1-03 *						N			464
GND 16		B19T1	1-04 *						N			464
GND 16		C19C2	1-05 *						N			464
GND 16		C19T1	1-06 *						N			464
GND 16		D19C2	1-07 *						N			464
GND 16		D19T1	1-08 *						N	26-2/8		464
GND 17		A17C2	1-01 *						N	26-2/8		465
GND 17		A17T1	1-02 *						N			465
GND 17		B17C2	1-03 *						N			465
GND 17		B17T1	1-04 *						N			465
GND 17		C17C2	1-05 *						N			465
GND 17		C17T1	1-06 *						N			465
GND 17		D17C2	1-07 *						N			465
GND 17		D17T1	1-08 *						N	26-2/8		465
GND 18		A18C2	1-01 *						N	26-6/8		466
GND 18		A18T1	1-02 *						N			466
GND 18		B18C2	1-03 *						N			466
GND 18		B18T1	1-04 *						N			466
GND 18		C18C2	1-05 *						N			466
GND 18		C18T1	1-06 *						N			466
GND 18		D18C2	1-07 *						N			466
GND 18		D18T1	1-08 *						N	26-6/8		466
GND 19		A19C1	1-01 *						N	36-0/8		467
GND 19		A19C2	1-02 *						N			467
GND 19		A19M2	1-03 *						N			467
GND 19		A19N2	1-04 *						N			467
GND 19		A19T1	1-05 *						N			467
GND 19		A19U2	1-06 *						N			467
GND 19		B19C2	1-07 *						N			467
GND 19		B19M2	1-08 *						N			467
GND 19		B19T1	1-09 *						N			467
GND 19		C19C2	1-10 *						N			467
GND 19		C19T1	1-11 *						N			467
GND 19		D19C2	1-12 *						N			467
GND 19		D19T1	1-13 *						N			467

TC11.F RUN NAME	A/P	HND289.V16(16) 03/31/72 PIN ORDER NAME	Q	DRAW	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 55 RUN NUMBER
GND 20		A20D2	1-01 *	T12					2	T12			468
GND 20		A20C1	1-02 *	T12					2	T12			468
GND 20		A20A1	1-03 *	T12					2	T12			468
GND 20		A20C2	1-04 *										468
GND 20		A20F2	1-05 *	T12					2	T12			468
GND 20		A20F1	1-06 *	T12					2	T12			468
GND 20		A20J2	1-07 *	T12					2	T12			468
GND 20		A20N2	1-08 *	T12					2	T12			468
GND 20		A20K1	1-09 *	T12					2	T12			468
GND 20		A20L2	1-10 *	T12					2	T12			468
GND 20		A20M1	1-11 *	T12					2	T12			468
GND 20		A20N1	1-12 *	T12					2	T12			468
GND 20		A20R2	1-13 *	T12					2	T12			468
GND 20		A20T1	1-14 *	T12					2	T12			468
GND 20		A20U1	1-15 *										468
GND 20		A20C2	1-16 *	T12					2	T12			468
GND 20		B20T1	1-17 *										468
GND 20		B20T2	1-18 *										468
GND 20		C20C2	1-19 *										468
GND 20		C20T1	1-20 *										468
GND 20		D20C2	1-21 *										468
GND 20		D20T1	1-22 *										468
GND 20			1								52-4/8		468
GND 21		A21C2	1-01 *										469
GND 21		A21T1	1-02 *										469
GND 21		B21C2	1-03 *										469
GND 21		B21T1	1-04 *										469
GND 21		C21C2	1-05 *										469
GND 21		C21T1	1-06 *										469
GND 21		D21C2	1-07 *										469
GND 21		D21T1	1-08 *										469
GND 21			1								26-2/8		469

TC11.F RUN NAME	A/P	HND289.V16(16) 03/31/72 PIN ORDER NAME	Q	DRAW	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 56 RUN NUMBER
GND 22		A22C2	1-01 *						2	T12			470
GND 22		A22J2	1-02 *	T12					2	T12			470
GND 22		A22K2	1-03 *	T12					2	T12			470
GND 22		A22R2	1-04 *										470
GND 22		A22T1	1-05 *										470
GND 22		A22T2	1-06 *	T12					2	T12			470
GND 22		A22S2	1-07 *	T12					2	T12			470
GND 22		A22U2	1-08 *	T12					2	T12			470
GND 22		B22C2	1-09 *										470
GND 22		B22F2	1-10 *	T12					2	T12			470
GND 22		B22L2	1-11 *	T12					2	T12			470
GND 22		B22L2	1-12 *	T12					2	T12			470
GND 22		B22M2	1-13 *										470
GND 22		B22T1	1-14 *	T12					2	T12			470
GND 22		C22C2	1-15 *										470
GND 22		C22T1	1-16 *										470
GND 22		D22C2	1-17 *										470
GND 22		D22T1	1-18 *										470
GND 22			1								50-4/8		470
GND 23		A23C2	1-01 *										471
GND 23		A23T1	1-02 *										471
GND 23		B23C2	1-03 *										471
GND 23		B23T1	1-04 *										471
GND 23		C23C2	1-05 *										471
GND 23		C23T1	1-06 *										471
GND 23		D23C2	1-07 *										471
GND 23		D23T1	1-08 *										471
GND 23			1								26-2/8		471
GND 24		A24C2	1-01 *										472
GND 24		A24T1	1-02 *										472
GND 24		B24C2	1-03 *										472
GND 24		B24T1	1-04 *										472
GND 24		C24C2	1-05 *										472
GND 24		C24T1	1-06 *										472
GND 24		D24C2	1-07 *										472
GND 24		D24T1	1-08 *										472
GND 24			1								26-2/8		472
GO		A19R1	1-01 *						1	T12			473
GO		C21S2	1-02 *							T04S			473
GO			1								8-2/8		473

TC11.F RUN NAME	HND288.V16(16) A/P PIN NAME	03/31/72 ORDER BAY - PIN ORDER	Q DRAW	RV PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 57 RUN NUMBER
IL0	A09H1	1-01 *	T117				1		16-2/8		474
IL0	D12V1	1-02 *	T03				1				474
IL0	D14S2	1-03 *	T03S								474
IL0	B24R2	1-01 *	T24				1		16-4/8		475
IL0	D17L2	1-02 *	T04				1				475
IL0	D14R1	1-03 *	T03								475
IL0	D12U1	1-04 *	T03S								475
IN	A09F1	1-01 *	T117				1		25-4/8		476
IN	B08F1	1-02 *	T18				1				476
IN	B08M1	1-03 *	T119				1				476
IN	C07R1	1-04 *	T09				1				476
IN	C08E2	1-05 *	T19				1				476
IN	C08E1	1-06 *	T09				1				476
IN	C07P1	1-07 *	T09				1				476
IN	C07P2	1-08 *	T09								476
IN	C08F2	1-01 *	T19S				2		15-6/8		477
IN	C08B1	1-02 *	T09				2				477
IN	C08D2	1-03 *	T09				2				477
IN	C08K2	1-04 *	T09				2				477
IN	C08U2	1-05 *	T09				2				477
IN	C09V2	1-06 *	T02								477
INC BA-WC	A07A1	1-01 *	T21				1		11-4/8		478
INC BA-WC	A07C1	1-02 *	T22				1				478
INC BA-WC	C06P1	1-03 *	T08S								478
INT ENB(0)	A00H1	1-01 *	T11S				1		13-8/8		479
INT ENB(0)	B24J2	1-02 *	T24								479
INT ENB(1)	A12S2	1-01 *	T11S				1		14-6/8		480
INT ENB(1)	A06F1	1-02 *	T11				2				480
INT ENB(1)	B08A1	1-03 *	T10				1				480
INT ENB(1)	B05H2	1-04 *									480
INTR DONE A	B05L2	1-01 *	T19S				1		3-2/8		481
INTR DONE A	B05S1	1-02 *									481

TC11.F RUN NAME	HND288.V16(16) A/P PIN NAME	03/31/72 ORDER BAY - PIN ORDER	Q DRAW	RV PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 58 RUN NUMBER
LPB ONE	D13P2	1-01 *	T07S				1		3-2/8		482
LPB ONE	D17R1	1-02 *	T03								482
LPB ONE	A17A1	1-01 *	T16				1				483
LPB TO DAT	A15A1	1-02 *	T14				1				483
LPB TO DAT	A15K2	1-03 *	T16				1				483
LPB TO DAT	A15M1	1-04 *	T15				1				483
LPB TO DAT	B15A1	1-05 *	T15				1				483
LPB TO DAT	B17A1	1-06 *	T14				1				483
LPB TO DAT	C11P1	1-07 *	T05S						24-8/8		483
LPB TP	D12S1	1-01 *	T04S				1		4-4/8		484
LPB TP	D14B1	1-02 *	T07								484
LPB0(0)	C13P2		T06S						1-PIN RUN		485
LPB0(1)	A17B1	1-01 *	T16				1				486
LPB0(1)	C13P2	1-02 *	T06S				1				486
LPB0(1)	D13N2	1-03 *	T07						14-2/8		486
LPB1(0)	C13V1		T06S						1-PIN RUN		487
LPB1(1)	B13B1	1-01 *	T15				1				488
LPB1(1)	C13V2	1-02 *	T06S				1				488
LPB1(1)	D13M2	1-03 *	T07						11-2/8		488
LPB2(0)	C13U1		T06S						1-PIN RUN		489
LPB2(1)	B17B1	1-01 *	T14				1				490
LPB2(1)	C13S1	1-02 *	T06S				1				490
LPB2(1)	D13L2	1-03 *	T07						11-6/8		490
LPB3(0)	C13M1		T06S						1-PIN RUN		491
LPB3(1)	A12L2	1-01 *	T16				1				492
LPB3(1)	C13L1	1-02 *	T06S				1				492
LPB3(1)	D13K2	1-03 *	T07						12-6/8		492
LPB4(0)	C13J2		T06S						1-PIN RUN		493

[illegible]

TC11.F RUN NAME	A/P	PIN NAME	HND208.V16(16) 03/31/72	ORDER PIN	BAY - ORDER	Q	DRAW RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	2112 EXCEPTIONS	PAGE 60 RUN NUMBER
MISS(0)	H	D07M1				T03S					1-PIN RUN		502
MISS(1)	H	D07C1			1-01 *	T03S			1				503
MISS(1)	H	D14D2			1-02 *	T03							503
MISS(1)					1						6-2/8		503
MK BLK END	H	D18U1				T07S					1-PIN RUN		504
MK BLK END	L	C29P1			1-01 *	T02			1				505
MK BLK END	L	D17C1			1-02 *	T03			2				505
MK BLK END	L	D18V1			1-03 *	T07S							505
MK BLK END					1						10-4/8		505
MK BLK MK	H	C09P1			1-01 *	T02			1				506
MK BLK MK	H	C18E2			1-02 *	T07S			2				506
MK BLK MK	H	D17D2			1-03 *	T07							506
MK BLK MK					1						12-6/8		506
MK BLK MK	L	C18D2				T07S					1-PIN RUN		507
MK BLK START	H	C09X1			1-01 *	T02			1				508
MK BLK START	H	C18J2			1-02 *	T07S			2				508
MK BLK START	H	D21D1			1-03 *	T02							508
MK BLK START					1						12-4/8		508
MK BLK START	L	C18F1			1-01 *	T07S			1				509
MK BLK START	L	D17A1			1-02 *	T03					4-6/8		509
MK BLK START					1								509
MK BLK SYNC	H	D18S2				T07S					1-PIN RUN		510
MK BLK SYNC	L	D18T2				T07S					1-PIN RUN		511
MK DATA	H	D18P2				T07S					1-PIN RUN		512
MK DATA	L	C18U2			1-01 *	T07S			1				513
MK DATA	L	D17B1			1-02 *	T03					3-4/8		513
MK DATA					1								513
MK DATA SYNC	H	C17B1			1-01 *	T02			1				514
MK DATA SYNC	H	C18H1			1-02 *	T07S					3-2/8		514
MK DATA SYNC					1								514
MK DATA SYNC	L	C18J1				T07S					1-PIN RUN		515

TC11.F RUN NAME	A/P PIN	HND288.V16(16) NAME	03/31/72 ORDER	Q	DRAM RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 61 RUN NUMBER
MK END	H	C18F2	1-01 *		T075		1		10-0/8		516
MK END	H	D06P2	1-02 *		T03						516
MK END	L	C4H2	1-01 *		T075		1		5-0/8		517
MK END	L	D47D1	1-02 *		T03						517
MNT(0)	H	A11F1	1-01 *		T108		1		10-0/8		518
MNT(0)	H	C46F2	1-02 *		T07						518
MNT(1)	H	A11E1	1-01 *		T108		1		5-2/8		519
MNT(1)	H	B09D2	1-02 *		T18						519
MTE(0)	H	B24H2	1-01 *		T24		2		22-6/8		520
MTE(0)	H	A14J2	1-02 *		T035		1				520
MTE(0)	H	D15N1	1-03 *		T03		2				520
MTE(0)	H	D17N2	1-04 *		T04						520
MTE(1)	H	A09D2	1-01 *		T17		2				521
MTE(1)	H	A14K2	1-02 *		T035		1				521
MTE(1)	H	D15R1	1-03 *		T03				16-2/8		521
NEW UNIT SELECT	H	B11S2			T045				1-PIN RUN		522
NEW UNIT SELECT	L	A18T2	1-01 *		T12		2				523
NEW UNIT SELECT	L	B11R2	1-02 *		T045		1				523
NEW UNIT SELECT	L	D14U1	1-03 *		T04		2				523
NEW UNIT SELECT	L	D09J1	1-04 *		T04		1		24-0/8		523
NEX(0)	H	B06K1	1-01 *		T085		1				524
NEX(0)	H	D18J2	1-02 *		T03				10-4/8		524
NEX(1)	H	A09P1	1-01 *		T17		1				525
NEX(1)	H	B06L1	1-02 *		T085				5-2/8		525

TC11.F RUN NAME	A/P PIN	HND288.V16(16) NAME	03/31/72 ORDER	Q	DRAM RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 62 RUN NUMBER
NO CHANGE	L	C21R1	1-01 *		T04		2		13-4/8		526
NO CHANGE	L	D20R2	1-02 *		T04		1				526
NO CHANGE	L	D13V2	1-03 *		T045		2				526
NO CHANGE	L	D13V2	1-04 *		T09						526
NPR DATA CLEAR	H	B06R2			T085				1-PIN RUN		527
NPR DATA CLEAR	L	B06S1	1-01 *		T08		1				528
NPR DATA CLEAR	L	B06S2	1-02 *		T085		2				528
NPR DATA CLEAR	L	D17F1	1-03 *		T09		1		15-6/8		528
NPR DATA CLEAR	L	D17T2	1-04 *		T09						528
NPR DATA STROBE	H	B06M2			T085				1-PIN RUN		529
NPR DATA STROBE	L	B06L2	1-01 *		T08		1				530
NPR DATA STROBE	L	B06T2	1-02 *		T085		2				530
NPR DATA STROBE	L	C10P1	1-03 *		T09		1		10-6/8		530
NPR DATA STROBE	L	C10R1	1-04 *		T09						530
NPR DATA TO BUS	H	B06E2			T085				1-PIN RUN		531
NPR DATA TO BUS	L	B06F2	1-01 *		T085		1				532
NPR DATA TO BUS	L	C07D2	1-02 *		T09				4-6/8		532
OBUS D00	L	A04B1	1-01 *		T13		1				533
OBUS D00	L	A07E1	1-02 *		T215/T225		2				533
OBUS D00	L	B06S1	1-03 *		T165		1				533
OBUS D00	L	B06U2	1-04 *		T185				13-4/8		533
OBUS D01	L	A04L2	1-01 *		T13		2				534
OBUS D01	L	A07J1	1-02 *		T215/T225		1				534
OBUS D01	L	B06S2	1-03 *		T185		2				534
OBUS D01	L	B06N2	1-04 *		T165				13-2/8		534
OBUS D02	L	A04E1	1-01 *		T13		1				535
OBUS D02	L	A07L2	1-02 *		T215/T225		2				535
OBUS D02	L	B06P2	1-03 *		T165		1				535
OBUS D02	L	B06N1	1-04 *		T185				13-0/8		535

HND288.V16(16) 03/31/72										PAGE 63	
TC11.F	A/P	PIN NAME	ORDER	BAY	Q	DRAM RV PG Y	X	Z	REMARKS	24-MAY-72	21112
RUN NAME			PIN							LENGTH	EXCEPTIONS
NUMBER											
OBUS 003	J	A04D2	1-01 *			T13		2			
OBUS 003	J	A07H2	1-02 *			T21S/T22S		1			
OBUS 003	J	B06M2	1-03 *			T18S		2			
OBUS 003	J	B09K2	1-04 *			T18S					
OBUS 003			1							12-6/8	
OBUS 004	J	A04F2	1-01 *			T13		2			
OBUS 004	J	B06K2	1-02 *			T18S		1			
OBUS 004	J	B09K1	1-03 *			T18S		2			
OBUS 004	J	B07R2	1-04 *			T21S/T22S					
OBUS 004			1							12-0/8	
OBUS 005	J	A04J2	1-01 *			T13		2			
OBUS 005	J	A07R1	1-02 *			T21S/T22S		1			
OBUS 005	J	B06H2	1-03 *			T18S		2			
OBUS 005	J	B09F2	1-04 *			T18S					
OBUS 005			1							11-4/8	
OBUS 006	J	A04H1	1-01 *			T13		1			
OBUS 006	J	A07S2	1-02 *			T21S/T22S		2			
OBUS 006	J	B06E2	1-03 *			T18S		1			
OBUS 006	J	B07F1	1-04 *			T18S					
OBUS 006			1							11-2/8	
OBUS 007	J	A04K1	1-01 *			T13		2			
OBUS 007	J	A07P1	1-02 *			T21S/T22S		1			
OBUS 007	J	B06C1	1-03 *			T18S		2			
OBUS 007	J	B09C1	1-04 *			T18S					
OBUS 007			1							10-6/8	
OBUS 008	J	A04M1	1-01 *			T13		2			
OBUS 008	J	A07S1	1-02 *			T17S		1			
OBUS 008	J	A08U2	1-03 *			T17S		2			
OBUS 008	J	B07N2	1-04 *			T21S/T22S					
OBUS 008			1							12-4/8	
OBUS 009	J	A04N2	1-01 *			T13		1			
OBUS 009	J	A09N2	1-02 *			T17S		2			
OBUS 009	J	A08S2	1-03 *			T17S		1			
OBUS 009	J	B07C1	1-04 *			T21S/T22S					
OBUS 009			1							12-0/8	
OBUS 010	J	A04R2	1-01 *			T13		2			
OBUS 010	J	A07N1	1-02 *			T17S		1			
OBUS 010	J	A08P2	1-03 *			T17S		2			
OBUS 010	J	B07D2	1-04 *			T21S/T22S					
OBUS 010			1							11-6/8	

TC11.F RUN NAME	HND288.V16(16) 03/31/72				24-MAY-72				21112				PAGE 64			
A/P	PIN NAME	ORDER	BAY	Q	DRAW RV PG Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN	NUMBER				
OBUS 011	A04U1	1-01 *			T13		2					544				
OBUS 011	B07A1	1-02 *			T21S/T22S		1					544				
OBUS 011	A08M2	1-03 *			T17S		2					544				
OBUS 011	A09K2	1-04 *			T17S							544				
OBUS 011		1							11-4/8			544				
OBUS 012	A09K1	1-01 *			T17S		1					545				
OBUS 012	A08K2	1-02 *			T17S		2					545				
OBUS 012	A04T2	1-03 *			T13		1					545				
OBUS 012	B07M2	1-04 *			T21S/T22S							545				
OBUS 012		1							12-0/8			545				
OBUS 013	A09F2	1-01 *			T17S		2					546				
OBUS 013	A08H2	1-02 *			T17S		1					546				
OBUS 013	A04V2	1-03 *			T13		2					546				
OBUS 013	B07H2	1-04 *			T21S/T22S							546				
OBUS 013		1							12-0/8			546				
OBUS 014	A09F1	1-01 *			T17S		1					547				
OBUS 014	A08E2	1-02 *			T17S		2					547				
OBUS 014	A04S1	1-03 *			T13		1					547				
OBUS 014	B07M1	1-04 *			T21S/T22S							547				
OBUS 014		1							13-2/8			547				
OBUS 015	A09C1	1-01 *			T17S		2					548				
OBUS 015	A06C1	1-02 *			T17S		1					548				
OBUS 015	B07J1	1-03 *			T21S/T22S		2					548				
OBUS 015	A04P1	1-04 *			T13							548				
OBUS 015		1							14-0/8			548				

TC11.F RUN NAME	HND288.V16(16) P/N ORDER P/N	03/31/72 DAY ORDER	Q DRAW	RV PG	Y X	Z REMARKS	24-MAY-72 LENGTH	2112 EXCEPTIONS	PAGE RUN	65 NUMBER
OBVERSE ENB	A43D2	1-01 *	T15						549	
OBVERSE ENB	A43E1	1-02 *	T14						549	
OBVERSE ENB	A43R2	1-03 *	T16						549	
OBVERSE ENB	A43M1	1-04 *	T16						549	
OBVERSE ENB	A43F1	1-05 *	T16						549	
OBVERSE ENB	A43D2	1-06 *	T16						549	
OBVERSE ENB	A43K2	1-07 *	T16						549	
OBVERSE ENB	A43N2	1-08 *	T16						549	
OBVERSE ENB	B43D2	1-09 *	T14						549	
OBVERSE ENB	B43F1	1-10 *	T14						549	
OBVERSE ENB	B43E1	1-11 *	T15						549	
OBVERSE ENB	B43K2	1-12 *	T15						549	
OBVERSE ENB	B43M2	1-13 *	T15						549	
OBVERSE ENB	B43N2	1-14 *	T15						549	
OBVERSE ENB	B43R2	1-15 *	T15						549	
OBVERSE ENB	B43T2	1-16 *	T14						549	
OBVERSE ENB	B43U2	1-17 *	T14						549	
OBVERSE ENB	B43V2	1-18 *	T14						549	
OBVERSE ENB	B43W2	1-19 *	T08						549	
OBVERSE ENB	C43E1	1-20 *	T08						549	
OBVERSE ENB	C43F2	1-21 *	T08						549	
OBVERSE ENB	C43G2	1-22 *	T08						549	
OBVERSE ENB	C43H2	1-23 *	T08						549	
OBVERSE ENB	C43I2	1-24 *	T08						549	
OBVERSE ENB	C43J2	1-25 *	T08						549	
OBVERSE ENB	C43K2	1-26 *	T08						549	
OBVERSE ENB	C43L2	1-27 *	T08						549	
OBVERSE ENB	C43M2	1-28 *	T08						549	
OBVERSE ENB	C43N2	1-29 *	T08						549	
OBVERSE ENB	C43O2	1-30 *	T08						549	
OBVERSE ENB	C43P2	1-31 *	T08						549	
OBVERSE ENB	C43Q2	1-32 *	T08						549	
OBVERSE ENB	C43R2	1-33 *	T08						549	
OBVERSE ENB	C43S2	1-34 *	T08						549	
OBVERSE ENB	C43T2	1-35 *	T08						549	
OBVERSE ENB	C43U2	1-36 *	T08						549	
OBVERSE ENB	C43V2	1-37 *	T08						549	
OBVERSE ENB	C43W2	1-38 *	T08						549	
OBVERSE ENB	C43X2	1-39 *	T08						549	
OBVERSE ENB	C43Y2	1-40 *	T08						549	
OBVERSE ENB	C43Z2	1-41 *	T08						549	
OBVERSE ENB	C43A1	1-42 *	T08						549	
OBVERSE ENB	C43B1	1-43 *	T08						549	
OBVERSE ENB	C43C1	1-44 *	T08						549	
OBVERSE ENB	C43D1	1-45 *	T08						549	
OBVERSE ENB	C43E1	1-46 *	T08						549	
OBVERSE ENB	C43F1	1-47 *	T08							

TC11.F	RUN NAME	A/P	ORDER	BY	Q	RV	PG	Y	X	E	REMARKS	24-MAY-72	LENGTH	21112	PAGE
			PIN	ORDER										EXCEPTIONS	RUN
															NUMBER
PTP0	D08H2	H		1-01 *	T04					1			13-0/8		554
PTP0	D12D1	H		1-02 *	T04					2					554
PTP0	D19F1	H		1-03 *	T04S					1					554
PTP0	D19J1	H		1-04 *	T04										554
PTP0	D11J2	L		1-01 *	T04					1					555
PTP0	D12E1	L		1-02 *	T04S								2-6/8		555
PTP1	D08J1	H		1-01 *	T04					1					556
PTP1	D13C1	H		1-02 *	T04S								5-0/8		556
PWALL	D06D1	H		1-01 *	T03					2					557
PWALL	C12L2	H		1-02 *	T05S					1			14-4/8		557
PWALL	D01L2	H		1-03 *	T05										557
RALL	C08J2	H		1-01 *	T02					2					558
RALL	C12N2	H		1-02 *	T05S					1			12-0/8		558
RALL	D01R2	H		1-03 *	T02										558
RALL	C19V2	L		1-01 *	T05					2					559
RALL	C20H2	L		1-02 *	T02					1					559
RALL	C17H2	L		1-03 *	T07					2					559
RALL	C12N1	L		1-04 *	T05S					1					559
RALL	D06J1	L		1-05 *	T03								19-2/8		559
ROATA	C19R1	H		1-01 *	T05					1					560
ROATA	D17N1	H		1-02 *	T03					2					560
ROATA	D11E1	H		1-03 *	T07					1					560
ROATA	C12J2	H		1-04 *	T05S								14-4/8		560
ROATA	C19U2	L		1-01 *	T05					1					561
ROATA	C12J1	L		1-02 *	T05S					2					561
ROATA	D06P1	L		1-03 *	T02								13-4/8		561
READ D0	B23U2	H			T12S										562
READ D0	B23V2	L		1-01 *	T12S					1					563
READ D0	C16C1	L		1-02 *	T06								6-4/8		563

TC11.F RUN NAME	HN0288.V16(16) 03/31/72 A/P PIN ORDER BAY	Q	DRAM RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 69 RUN NUMBER
REV(0)	A11U1	1-01 *	T11S		2		26-2/8		582
REV(0)	D04C1	1-02 *	T04		2				582
REV(0)	D20P1	1-03 *	T04		2				582
REV(0)	C21P1	1-04 *			2				582
REV(1)	A08M1	1-01 *	T17		1				583
REV(1)	A11S1	1-02 *	T11S		1				583
REV(1)	C10E2	1-03 *	T08		1				583
REV(1)	C10F2	1-04 *	T08		1				583
REV(1)	D04F1	1-05 *	T04		1				583
REV(1)	D20P2	1-06 *	T04		1				583
REVERSE	A19P2	1-01 *	T12		1		30-4/8		584
REVERSE	D20S2	1-02 *	T04S		1				584
RNUM	C09S1	1-01 *	T02		1		10-6/8		585
RNUM	C12E2	1-02 *	T03S		1				585
RNUM	D14K2	1-03 *	T07		1				585
RNUM	C12E1	1-01 *	T05S		1				586
RNUM	C19T2	1-02 *	T05		1		6-6/8		586
RALL	A08R1	1-01 *	T02		2				587
RALL	D06H2	1-02 *	T03		2				587
RALL	D06K1	1-03 *	T03S		2				587
RALL	D20M1	1-04 *	T03		2		21-6/8		587
RMB SH	C13D1	1-01 *	T06		1				588
RMB SH	C13K1	1-02 *	T06		1		13-2/8		588
RMB SH	C13R1	1-03 *	T06		1				588
RMB SH	D22C1	1-04 *	T05S		1				588
RMB0(0)	C13M2	1-01 *	T06		1				589
RMB0(0)	C13N2	1-02 *	T06		1				589
RMB0(0)	C14V1	1-03 *	T06S		1				589
RMB0(0)	C10P1	1-04 *	T06		1		9-2/8		589

TC11.F RUN NAME	HN0288.V16(16) 03/31/72 A/P PIN ORDER BAY	Q	DRAM RV PG Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 70 RUN NUMBER
RMB0(1)	A17U2	1-01 *	T16		1		8-2/8		590
RMB0(1)	C14V2	1-02 *	T06S		1				590
RMB0(1)		1							590
RMB1(0)	C13T2	1-01 *	T06		1				591
RMB1(0)	C13U2	1-02 *	T06		1				591
RMB1(0)	C14J1	1-03 *	T06S		1				591
RMB1(0)	C15J1	1-04 *	T06		1		9-2/8		591
RMB1(1)	B13U2	1-01 *	T15		1				592
RMB1(1)	C14S1	1-02 *	T06S		1		5-0/8		592
RMB2(0)	C13R1	1-01 *	T06		2				593
RMB2(0)	C14R2	1-02 *	T06S		2				593
RMB2(0)	C15P1	1-03 *	T06		2				593
RMB2(0)	C15C1	1-04 *	T06		2		9-0/8		593
RMB2(1)	B17U2	1-01 *	T14		1				594
RMB2(1)	C14P2	1-02 *	T06S		1		5-0/8		594
RMB3(0)	A23P2	1-01 *	T12		1				595
RMB3(0)	B26P2	1-02 *	T12		1				595
RMB3(0)	C13J1	1-03 *	T06		1				595
RMB3(0)	C13K1	1-04 *	T06		1				595
RMB3(0)	C14M1	1-05 *	T06S		1		17-0/8		595
RMB3(1)	A17N2	1-01 *	T16		1				596
RMB3(1)	A23N2	1-02 *	T12		1				596
RMB3(1)	B20N2	1-03 *	T12		1				596
RMB3(1)	C14L1	1-04 *	T06S		1				596
RMB3(1)	C13M1	1-05 *	T06		1				596
RMB3(1)	B07L1	1-06 *	T18		1		26-2/8		596
RMB4(0)	B21P2	1-01 *	T12		2				597
RMB4(0)	C13F2	1-02 *	T06		2				597
RMB4(0)	C13E2	1-03 *	T06		2				597
RMB4(0)	C14J2	1-04 *	T06S		2		11-4/8		597

TC11.F RUN NAME	HND288.V16(16) 03/31/72				24-MAY-72				2112				PAGE 71			
A/P	PIN	NAME	ORDER	BAY -	Q	DRAM	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN	NUMBER
RMB4(1)	H	B09H2	1-01 *	1		T10										598
RMB4(1)	H	C13F1	1-02 *	1		T06										598
RMB4(1)	H	C14H2	1-03 *	1		T06S										598
RMB4(1)	H	B15N2	1-04 *	1		T15										598
RMB4(1)	H	B21N2	1-05 *	1		T12										598
RMB5(0)	H	B23P2	1-01 *	1		T12							18-2/8			599
RMB5(0)	H	C15D1	1-02 *	1		T06										599
RMB5(0)	H	C15C1	1-03 *	1		T06										599
RMB5(0)	H	C15F1	1-04 *	1		T06S										599
RMB5(1)	H	B09H1	1-01 *	1		T10										600
RMB5(1)	H	C13A1	1-02 *	1		T06										600
RMB5(1)	H	C14E1	1-03 *	1		T06S										600
RMB5(1)	H	B17N2	1-04 *	1		T14										600
RMB5(1)	H	B25N2	1-05 *	1		T12										600
RMB5(1)	H	C14B1	1-01 *	1		T06							18-2/8			601
RMB5(1)	H	C14D2	1-02 *	1		T06										601
RMB5(1)	H	C14H1	1-03 *	1		T06										601
RMB5(1)	H	C14L2	1-04 *	1		T03S							9-4/8			601
RMB5(1)	H	C14L2	1-01 *	1		T06										602
RMB5(1)	H	C14B2	1-02 *	1		T06										602
RMB5(1)	H	C14N1	1-03 *	1		T06										602
RMB5(1)	H	C14M1	1-04 *	1		T03S							9-6/8			602
RMB5(1)	H	D14E2	1-01 *	1		T03										603
RMB5(1)	H	C09D2	1-02 *	1		T02										603
RMB5(1)	H	C09J2	1-03 *	1		T08										603
RMB5(1)	H	D09S1	1-04 *	1		T02S										603
RMB5(1)	H	C12D2	1-01 *	1		T05S							16-0/8			603
RMB5(1)	H	D20T2	1-02 *	1		T04										604
RMB5(1)	H	A15S2	1-01 *	1		T12							8-2/8			604
RMB5(1)	H	C12D1	1-02 *	1		T05S										605
RMB5(1)	H	D14X1	1-03 *	1		T03										605
RMB5(1)	H	D09L1	1-04 *	1		T04										605
RMB5(1)	H	D09L1	1-01 *	1		T04							18-6/8			605

TC11.F RUN NAME	HND288.V16(16) 03/31/72				24-MAY-72				2112				PAGE 72			
A/P	PIN	NAME	ORDER	BAY -	Q	DRAM	RV	PG	Y	X	Z	REMARKS	LENGTH	EXCEPTIONS	RUN	NUMBER
SELE	H	A09H2	1-01 *	1		T17										606
SELE	H	D12P2	1-02 *	1		T03										606
SELE	H	D13S2	1-03 *	1		T03S							14-6/8			606
SELE	H	B24L2	1-01 *	1		T23										607
SELE	H	C09D1	1-02 *	1		T10										607
SELE	H	D17K2	1-03 *	1		T04										607
SELE	H	D14R2	1-04 *	1		T03										607
SELE	H	D12R2	1-05 *	1		T03S							18-6/8			607
SELE	H	C09E1	1-01 *	1		T19S										608
SELE	H	C07A1	1-02 *	1		T09										608
SELE	H	C09H1	1-03 *	1		T09										608
SELE	H	C08N2	1-04 *	1		T09							9-4/8			608
SELE	H	C09A1	1-01 *	1		T09										609
SELE	H	C09J2	1-02 *	1		T19S										609
SELE	H	C07R2	1-03 *	1		T09										609
SELE	H	C08T2	1-04 *	1		T09										609
SELE	H	C09T2	1-05 *	1		T02										609
SELE	H	D21P2	1-06 *	1		T02							22-0/8			609
SELE	H	A09H1	1-01 *	1		T17										610
SELE	H	B09H1	1-02 *	1		T10										610
SELE	H	C08C1	1-03 *	1		T09										610
SELE	H	C08E1	1-04 *	1		T09										610
SELE	H	B09T2	1-05 *	1		T19S										610
SELE	H	B13M1	1-06 *	1		T04										610
SELE	H	C21F2	1-07 *	1		T05										610
SELE	H	D14T2	1-08 *	1		T04							38-2/8			610
SELE	H	B04R2	1-01 *	1		T19S										611
SELE	H	C07D1	1-02 *	1		T09										611
SELE	H	C08F2	1-03 *	1		T09										611
SELE	H	B04S1	1-01 *	1		T19S							7-4/8			611
SELE	H	C08J2	1-02 *	1		T09										612
SELE	H	C07R1	1-03 *	1		T09										612
SELE	H	C07R1	1-01 *	1		T09							9-0/8			612

TC01.F		HND288.V16(16) 03/31/72		Q		DRAW RV PG Y		X Z		REMARKS		24-MAY-72		21112		PAGE 73	
RUN NAME		A/P	PIN	ORDER	BAY							LENGTH	EXCEPTIONS	RUN	NUMBER		
SELECT ECHO	A20P1			1-01 *		T12S			1			5-6/8		613			
SELECT ECHO	B10T2			1-02 *		T03								613			
SET REQ	B11L1	L	D23N2	1-01 *		T08			1			11-0/8		614			
SET REQ	D23N2			1-02 *		T05S								614			
SH ST	C1BM1	H	D10C1	1-01 *		T07S			1					615			
SH ST	D10C1			1-02 *		T07						4-0/8		615			
SLAVE CLEAR	A10F2	H		1-01 *		T10S			2			31-0/8		616			
SLAVE CLEAR	A10M2			1-02 *		T10								616			
SLAVE CLEAR	A10N2			1-03 *		T10								616			
SLAVE CLEAR	A10P2			1-04 *		T10								616			
SLAVE CLEAR	C00C1	H		1-05 *		T09								616			
SLAVE CLEAR	C00C1			1-06 *		T09								616			
SLAVE CLEAR	D14V2	H		1-07 *		T09								617			
SLAVE CLEAR	D21M1			1-08 *		T09								617			
SLAVE CLEAR	D21M1			1-09 *		T05						32-6/8		617			
SLAVE STROBE	A10T2	H		1-01 *		T10S			2					617			
SLAVE STROBE	B10T1			1-02 *		T10								617			
SLAVE STROBE	C00B1	H		1-03 *		T09								617			
SLAVE STROBE	C00B1			1-04 *		T09								617			
SLAVE STROBE	C00B1	H		1-05 *		T09								617			
SLAVE STROBE	C00B1			1-06 *		T09								617			
SLAVE STROBE	C00B1	H		1-07 *		T09								617			
SLAVE STROBE	C00B1			1-08 *		T09								617			
SLAVE STROBE	D21M1	H		1-09 *		T05						32-6/8		617			
SLAVE STROBE	D21M1			1-01 *		T05S			1					618			
SLAVE STROBE	D21M1			1-02 *		T04S						6-6/8		618			
SSYN(0)	A11E2	H		1-01 *		T10			2					619			
SSYN(0)	A11J2			1-02 *		T10S								619			
SSYN(0)	B11P2	H		1-03 *		T04						8-4/8		619			
SSYN(1)	A11H2	H		1-01 *		T10S			2					620			
SSYN(1)	B00J2			1-02 *		T10								620			
SSYN(1)	B00J1	H		1-03 *		T10			2					620			
SSYN(1)	D14J2			1-04 *		T07						17-2/8		620			

TC01.F		HND288.V16(16) 03/31/72		Q		DRAW RV PG Y		X Z		REMARKS		24-MAY-72		21112		PAGE 74	
RUN NAME		A/P	PIN	ORDER	BAY							LENGTH	EXCEPTIONS	RUN	NUMBER		
ST BLK MK	C10R2	H		1-01 *		T07S			1			4-4/8		621			
ST BLK MK	D10E2			1-02 *		T07								621			
ST BLK MK	C21V2	L		1-01 *		T03			1					622			
ST BLK MK	D10F2			1-02 *		T07S						5-4/8		622			
ST CK	C23N1	H		1-01 *		T02			1					623			
ST CK	D10R1			1-02 *		T07S								623			
ST CK	D17P1	H		1-03 *		T03			2			9-4/8		623			
ST FINAL	C19E1	H		1-01 *		T05			2					624			
ST FINAL	D10L2			1-02 *		T07S								624			
ST FINAL	D15M2	H		1-03 *		T05			2					624			
ST FINAL	D10C1	H		1-04 *		T07						13-0/8		624			
ST FINAL	D10D2	L		1-01 *		T07S			1					625			
ST FINAL	D20A1			1-02 *		T05						4-2/8		625			
ST IDLE	C09E2	H		1-01 *		T02			1					626			
ST IDLE	B13R2			1-02 *		T02								626			
ST IDLE	C10N2	H		1-03 *		T07S								626			
ST IDLE	D10D2	H		1-04 *		T07								626			
ST IDLE	D10J1	H		1-05 *		T07								626			
ST IDLE	D22E2	H		1-06 *		T07			1			24-2/8		626			
ST IDLE	C21U2	L		1-01 *		T03			1					627			
ST IDLE	D10K1			1-02 *		T07S						5-6/8		627			
ST REV CK	C10B1	H		1-01 *		T07			1					628			
ST REV CK	C19A1			1-02 *		T05								628			
ST REV CK	C23H1	H		1-03 *		T02								628			
ST REV CK	C17T2	H		1-04 *		T07								628			
ST REV CK	D10S1	H		1-05 *		T07S								628			
ST REV CK	D10F1	H		1-06 *		T07			1			25-6/8		628			
ST REV CK	D10H1	L		1-01 *		T07S			1					629			
ST REV CK	D20D2			1-02 *		T05						5-0/8		629			

TC11.F RUN NAME	A/P	PIN NAME	HND288.V16(16) 03/31/72 ORDER PIN	BAY - ORDER	Q	DRAM	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 79 RUN NUMBER
UNIT2(1)	H	A18U2		1-01 *		T12					1	1			666
UNIT2(1)	H	A12V2		1-02 *		T11S					1	2			666
UNIT2(1)	H	A08R1		1-03 *		T17					1	2			666
UNIT2(1)	H	D04N1		1-04 *		T04									666
UNIT2(1)	H	D07U1		1-05 *		T04									666
UNIT2(1)				1									24-0/8		666
UNIT3(1)	H	A18V2		1-01 *		T12					2	1			667
UNIT3(1)	H	A12E2		1-02 *		T11S					1	2			667
UNIT3(1)	H	A08L1		1-03 *		T17					1	2			667
UNIT3(1)	H	D04R1		1-04 *		T04									667
UNIT3(1)	H	D07U2		1-05 *		T04									667
UNIT3(1)				1									25-4/8		667
UPS(0(1)	H	A08V1		1-01 *		T04					1	2			668
UPS(0(1)	H	A08V2		1-02 *		T04					1	2			668
UPS(0(1)	H	B15R1		1-03 *		T04									668
UPS(0(1)	H	B24S2		1-04 *		T24									668
UPS(0(1)	H	D22D2		1-05 *		T07									668
UPS(0(1)	H	D22R1		1-06 *		T07									668
UPS(0(1)	H	D19M1		1-07 *		T04S									668
UPS(0(1)				1									30-4/8		668
UPS(1(1)	H	B09A1		1-01 *		T18					2	1			669
UPS(1(1)	H	D08J2		1-02 *		T04					1	2			669
UPS(1(1)	H	D08H1		1-03 *		T04									669
UPS(1(1)	H	D19N1	C19K2	1-04 *		T04S									669
UPS(1(1)	H	C19K2		1-05 *		T07									669
UPS(1(1)				1									25-0/8		669
WALL	H	C09L1		1-01 *		T02					1	2			670
WALL	H	C21K1		1-02 *		T02									670
WALL	H	D10S1		1-03 *		T05S									670
WALL				1									15-2/8		670
WALL	L	C19M2		1-01 *		T05					2	1			671
WALL	L	D21N2		1-02 *		T05S									671
WALL	L	D21T2		1-03 *		T02									671
WALL	L	D16R1		1-04 *		T05									671
WALL	L	D09H1		1-05 *		T03									671
WALL				1									21-2/8		671
WALL EN	H	C24M2		1-01 *		T24S					1	2			672
WALL EN	H	D22V1		1-02 *		T24									672
WALL EN	H	D21M2		1-03 *		T05									672
WALL EN	H	D16K2		1-04 *		T05									672
WALL EN				1									15-0/8		672

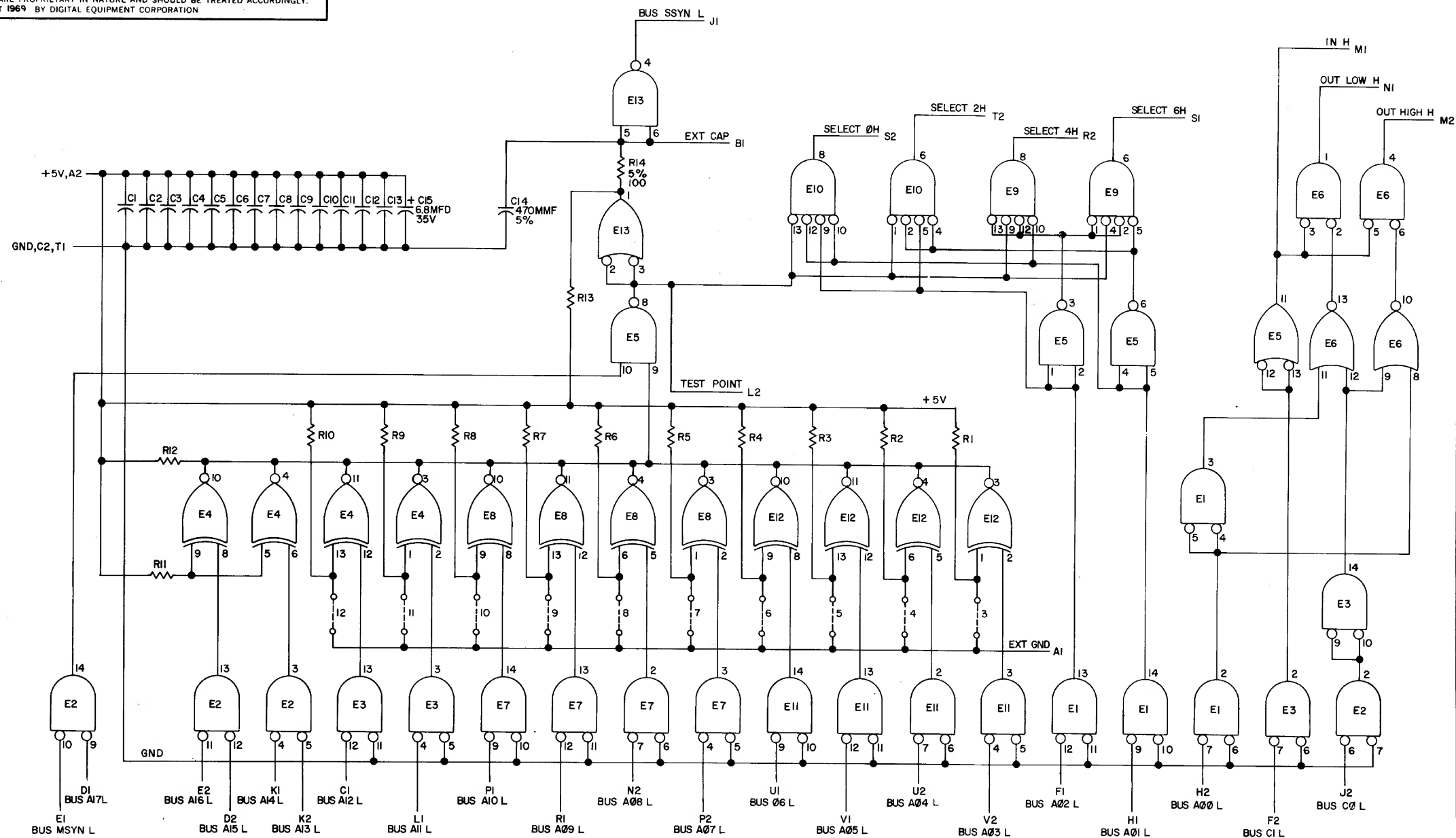
TC11.F RUN NAME	A/P	PIN NAME	PIN ORDER	BAY ORDER	Q	DRAM	RV	PG	Y	X	Z	REMARKS	24-MAY-72 LENGTH	21112 EXCEPTIONS	PAGE 80 RUN NUMBER
WALL EN	L	D08E1		1-01 *		T03					1				673
WALL EN	L	D16L2		1-02 *		T05S									673
WALL EN				1									8-0/8		673
WCO(0)	H	C20M2		1-01 *		T05					1				674
WCO(0)	H	D07R1		1-02 *		T02S									674
WCO(0)				1									10-2/8		674
WCO(1)	H	C20T2		1-01 *		T05					1	2			675
WCO(1)	H	C09F2		1-02 *		T02									675
WCO(1)	H	D07V1		1-03 *		T02S									675
WCO(1)				1									15-6/8		675
WCOF	L	B07S2		1-01 *		T22S					1				676
WCOF	L	D07V2		1-02 *		T02									676
WCOF				1									8-0/8		676
WDATA	H	C12M2		1-01 *		T05S					1	2			677
WDATA	H	D14A1		1-02 *		T07									677
WDATA	H	D15F2		1-03 *		T05					1	2			677
WDATA	H	D20E1		1-04 *		T05									677
WDATA	H	C19D2		1-05 *		T05					1	2			677
WDATA	H	C09F1		1-06 *		T02									677
WDATA	H	C09M1		1-07 *		T02									677
WDATA				1									25-2/8		677
WDATA	L	C19R2		1-01 *		T05					2	1			678
WDATA	L	C12H1		1-02 *		T05S									678
WDATA	L	D08R1		1-03 *		T02									678
WDATA				1									13-6/8		678
WREN(0)	H	D19K2				T02S								1-PIN RUN	679
WREN(1)	H	B23R2		1-01 *		T12					1	2			680
WREN(1)	H	B20R2		1-02 *		T12									680
WREN(1)	H	B21R2		1-03 *		T12					1	2			680
WREN(1)	H	D22J1		1-04 *		T02									680
WREN(1)	H	D19J2		1-05 *		T02S									680
WREN(1)				1									17-0/8		680
WRITE	H	C21J2		1-01 *		T05					2	1			681
WRITE	H	C19S2		1-02 *		T05S					1	2			681
WRITE	H	C16M2		1-03 *		T05									681
WRITE	H	C16H2		1-04 *		T05									681
WRITE	H	D08B1		1-05 *		T03					1				681
WRITE				1									19-0/8		681

TC11.F		HND288.V16(16) 03/31/72		24-MAY-72		2112		PAGE 81	
RUN NAME		A/P PIN ORDER BAY		Q DRAW RV PG Y X Z		REMARKS		LENGTH EXCEPTIONS	
WRITE ECHO	A20S1	1-01 *	T12S	1					682
WRITE ECHO	019H2	1-02 *	T12S						682
WRITE OK		1							682
WRITE OK	C03F2	1-01 *	T02	2					683
WRITE OK	C00A1	1-02 *	T10	1					683
WRITE OK	C00R2	1-03 *	T12S						683
WRITE OK		1							683
WRITE OK	B12S1	1-01 *	T12S	1					684
WRITE OK	C06P2	1-02 *	T12						684
WRITE OK	D06A1	1-03 *	T03	2					684
WRITE OK		1							684
WRITE OK	D06D2	1-01 *	T03	2					685
WRITE OK	C12M2	1-02 *	T05S	1					685
WRITE OK	D21D2	1-03 *	T02						685
WRITE OK		1							685
WRITE OK	B12A1	1-01 *	T10	1					686
WRITE OK	C12M1	1-02 *	T05S	2					686
WRITE OK	C10B2	1-03 *	T05	1					686
WRITE OK	C10B2	1-04 *	T05	2					686
WRITE OK	D21U2	1-05 *	T02	1					686
WRITE OK	D06R2	1-06 *	T04						686
WRITE OK		1							686
WRITE OK	C12M1	1-01 *	T10	1					687
WRITE OK	C24K2	1-02 *	T24S	2					687
WRITE OK	D25U1	1-03 *	T24	1					687
WRITE OK	D16N1	1-04 *	T05						687
WRITE OK		1							687
WRITE OK	D06E2	1-01 *	T03	1					688
WRITE OK	D16P1	1-02 *	T05S						688
WRITE OK		1							688
WRITE OK	A12L1	1-01 *	T11S	1					689
WRITE OK	B08D1	1-02 *	T10	2					689
WRITE OK	B08R2	1-03 *	T11						689
WRITE OK		1							689
WRITE OK	A12N2	1-01 *	T11S	1					690
WRITE OK	B08E1	1-02 *	T10						690
WRITE OK	B08L2	1-03 *	T11	2					690
WRITE OK		1							690

TC11.F		HND288.V16(16) 03/31/72		24-MAY-72		2112		PAGE 82	
RUN NAME		A/P PIN ORDER BAY		Q DRAW RV PG Y X Z		REMARKS		LENGTH EXCEPTIONS	
WRITE OK	A06K2	1-01 *	T09	2					691
WRITE OK	B12S2	1-02 *	T09	1					691
WRITE OK	C21S1	1-03 *	T05S						691
WRITE OK		1							691
WRITE OK	D17J1	1-01 *	T09	2					692
WRITE OK	D17S2	1-02 *	T09	1					692
WRITE OK	D20F1	1-03 *	T05S						692
WRITE OK		1							692
WRITE OK	D07A1	1-01 *	T03	2					693
WRITE OK	S10E1	1-02 *	T07S	1					693
WRITE OK	C15A1	1-03 *	T06	2					693
WRITE OK	C13K2	1-04 *	T06	1					693
WRITE OK	D19L2	1-05 *	T02						693
WRITE OK		1							693

ERROR LISTING										24-MAY-72		2112		PAGE 1	
										LENGTH		EXCEPTIONS		RUN	
														NUMBER	
WIRE WRAP	A/P	HND285-V16(16)	83/31/72	Q	DRAM	RV	PG	Y	X	Z	REMARKS				
RUN NAME	PIN	NAME	ORDER	PIN	ORDER										
B000	L	A00B1				T135					1-PIN RUN		117		
D13N1		D11M1				T058					1-PIN RUN		339		
D0 STROBE		D11M2				T066					1-PIN RUN		433		
LPB0(0)	H	C11BR2				T068					1-PIN RUN		485		
LPB1(0)	H	C11BV1				T068					1-PIN RUN		487		
LPB2(0)	H	C11BU1				T068					1-PIN RUN		489		
LPB3(0)	H	C11BH1				T068					1-PIN RUN		491		
LPB4(0)	H	C11BF1				T068					1-PIN RUN		493		
LPB5(0)	H	D11BU1				T068					1-PIN RUN		495		
MISS(0)	H	D11BU1				T078					1-PIN RUN		502		
MK BLK END		C11BU1				T078					1-PIN RUN		504		
MK BLK MK		C11BU2				T078					1-PIN RUN		507		
MK BLK SYNC		C11BU2				T078					1-PIN RUN		510		
MK BLK SYNC		C11BU2				T078					1-PIN RUN		511		
MK DATA		D11BP2				T078					1-PIN RUN		512		
MK DATA SYNC		C11BU1				T078					1-PIN RUN		515		
NEW UNIT SELECT		B11S2				T085					1-PIN RUN		522		
NPR DATA CLEAR		B11S2				T085					1-PIN RUN		527		
NPR DATA STROBE		B11S2				T085					1-PIN RUN		529		
NPR DATA TO BUS		B11S2				T085					1-PIN RUN		531		
READ D0		B21U2				T128					1-PIN RUN		562		
READ D1		B21U2				T128					1-PIN RUN		564		
READ D2		B21U2				T128					1-PIN RUN		566		
READ MK		A21U2				T128					1-PIN RUN		568		
READY ENB(0)		D11R2				T078					1-PIN RUN		570		
SYNC		D11F2				T078					1-PIN RUN		572		
TP01		D11K2				T048					1-PIN RUN		634		
WREN(0)						T025					1-PIN RUN		679		

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UNLESS OTHERWISE INDICATED:
 O---O INDICATES JUMPERS
 RESISTORS ARE 1K, 1/4W, 5%
 CAPACITORS ARE .01MFD, 100V, 20%
 E1, E2, E3, E7, E11 ARE DEC380
 E4, E8, E12 ARE DEC8242
 E9, E10 ARE DEC8815
 E5 IS DEC7400
 E6 IS DEC7402
 E13 IS DEC8881
 PIN 1 ON E1, E2, E3, E7, E11 = GND
 PIN 8 ON E1, E2, E3, E7, E11 = +5V
 PIN 7 ON E4, E8, E12, E13 = GND
 PIN 14 ON E4, E8, E12, E13 = +5V

REV	NO.	REV.
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10

DRN	DATE
CHK'D	DATE
ENG	DATE
PROD	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA

digital
 EQUIPMENT
 CORPORATION
 MAYNARD, MASSACHUSETTS

TITLE			
ADDRESS SELECTOR MI05			
SIZE	CODE	NUMBER	REV
C	CS	MI05-0-1	B
PRINTED CIRCUIT REV.			

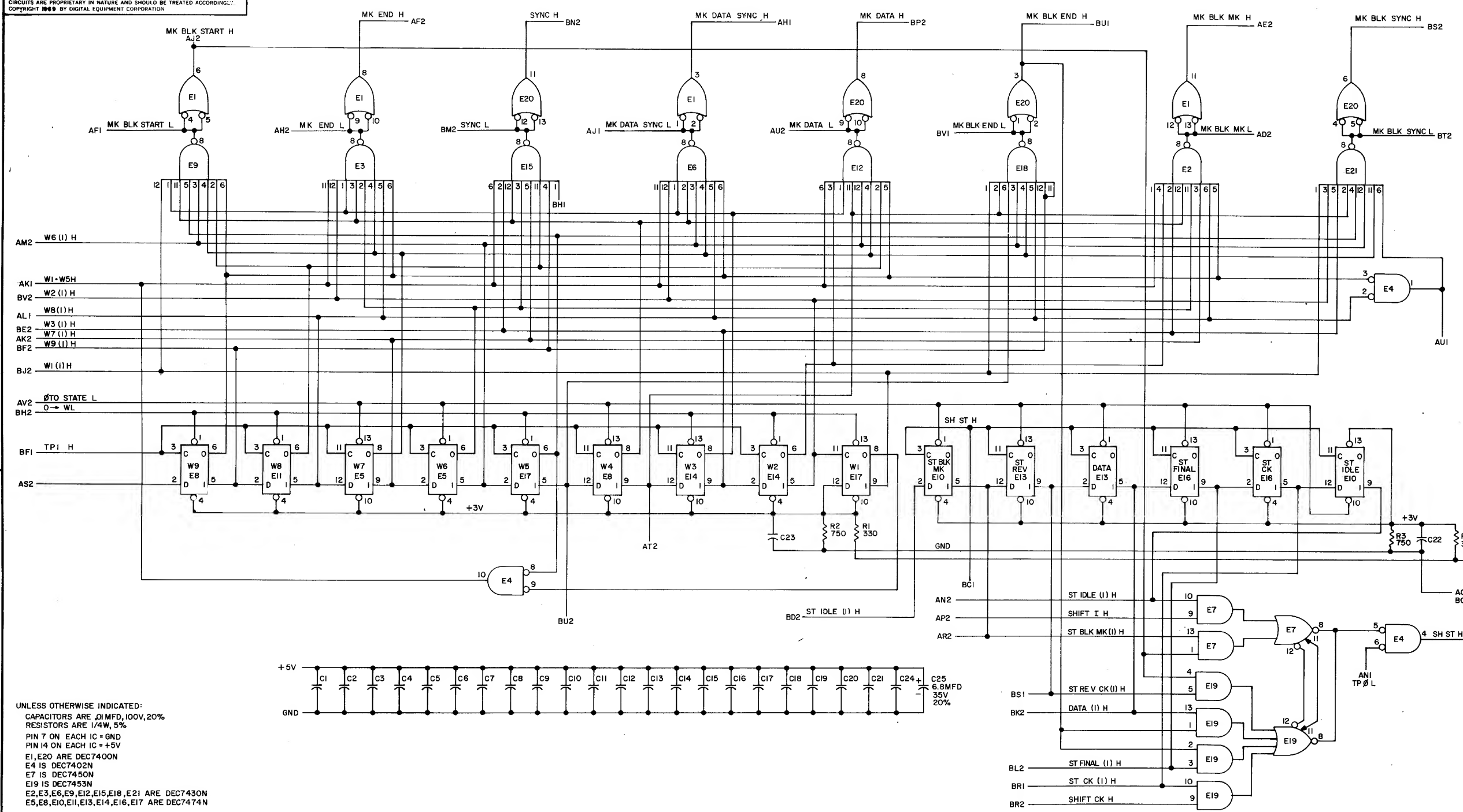
DEC FORM NO.
 DRC 102

15 447-P6

REV. B
 NUMBER MI05-0-1
 SIZE CODE C CS

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1-0-822W
#38P00N
S0 d
3000 1/15



REVISIONS DATE BY REV	DATE	BY	REV	TRANSISTOR & DIODE CONVERSION CHART	TITLE MARK TRACK DECODER M228	SIZE D	CODE CS	NUMBER M228-0-1	REV. A
	DATE	BY	REV						
	DATE	BY	REV						
	DATE	BY	REV						

DEC FORM NO. 101

DIST. 3, 2, 4, 4, 54, 438 3
5 PINK

SIZE	D	CODE	CS	NUMBER	M239-0-1	REV	A
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REVISIONS		
CHK	CHG NO.	REV.
PSM	00001	A

ORN.	jeanne french	DATE	8/25/
CHK'D		DATE	
ENG.		DATE	
PROD.		DATE	

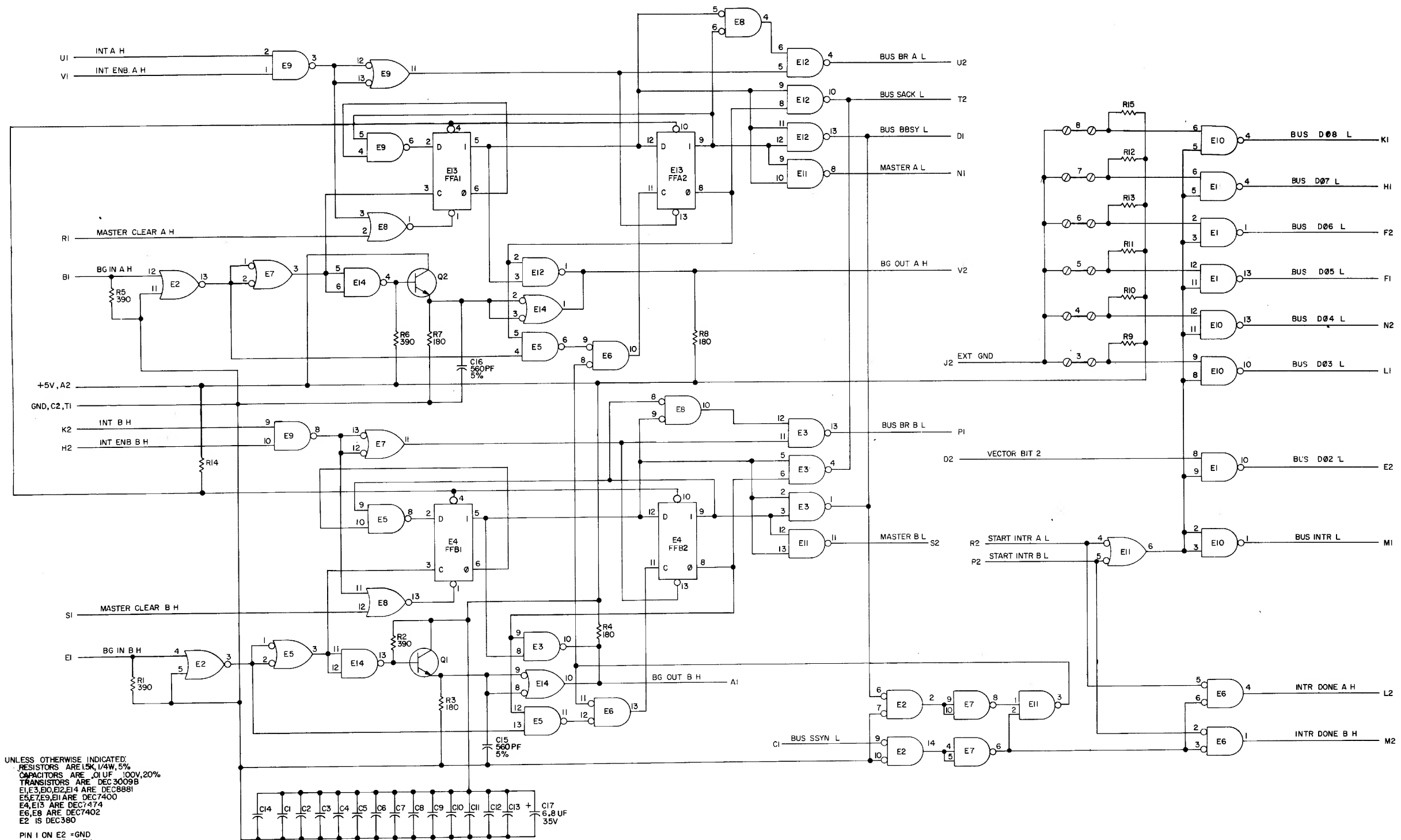
[illegible]

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE						THREE 4 - BIT COUNTER/ REGISTER M239							
SIZE D		CODE CS		NUMBER M239-0-1						REV. A			
PRINTED CIRCUIT REV.				A									

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8 1-0-0282/M SC 3000 1/15



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 5%
CAPACITORS ARE .01 UF, 100V, 20%
TRANSISTORS ARE DEC 3009B
E1, E3, E5, E7, E9, E11 ARE DEC 8881
E4, E13 ARE DEC 7474
E6, E8 ARE DEC 7402
E2 IS DEC 380

PIN 1 ON E2 = GND
PIN 8 ON E2 = +5V
PIN 7 ON E1, E3, E14 = GND
PIN 14 ON E1, E3, E14 = +5V
⊗ = SPLIT LUGS
— = JUMPERS

REV	DATE	BY	CHKD
1	12/31/70	5. COOPER	

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
DEC 3009B	2N3009B		

TITLE		NUMBER		REV	
INTERRUPT CONTROL M7820		M7820-0-1		B	
EQUIPMENT CORPORATION		PRINTED CIRCUIT REV.		B/C	

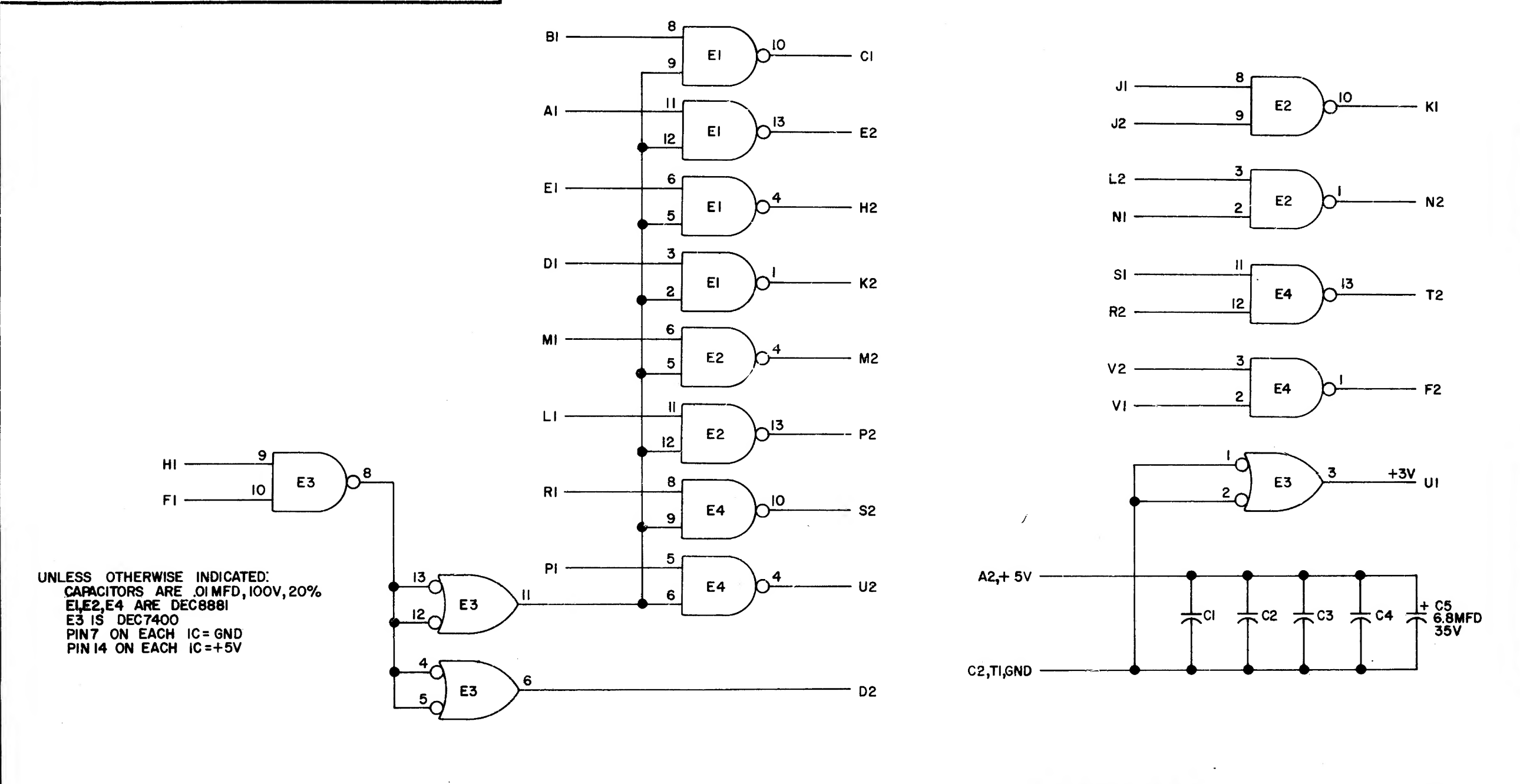
REV B
M7820-0-1
D CS

DIST. 324,434,435

P/MK

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REV. NUMBER M783-0-1 CS B SIZE



REVISIONS	CHK	CHG	NO.	REV.

DRN.	DATE
<i>A. Suter</i>	11-21-69
CHK'D	DATE
<i>L. M. ...</i>	1-7-70
ENG.	DATE
<i>W. E. ...</i>	2/25/70
PROD.	DATE

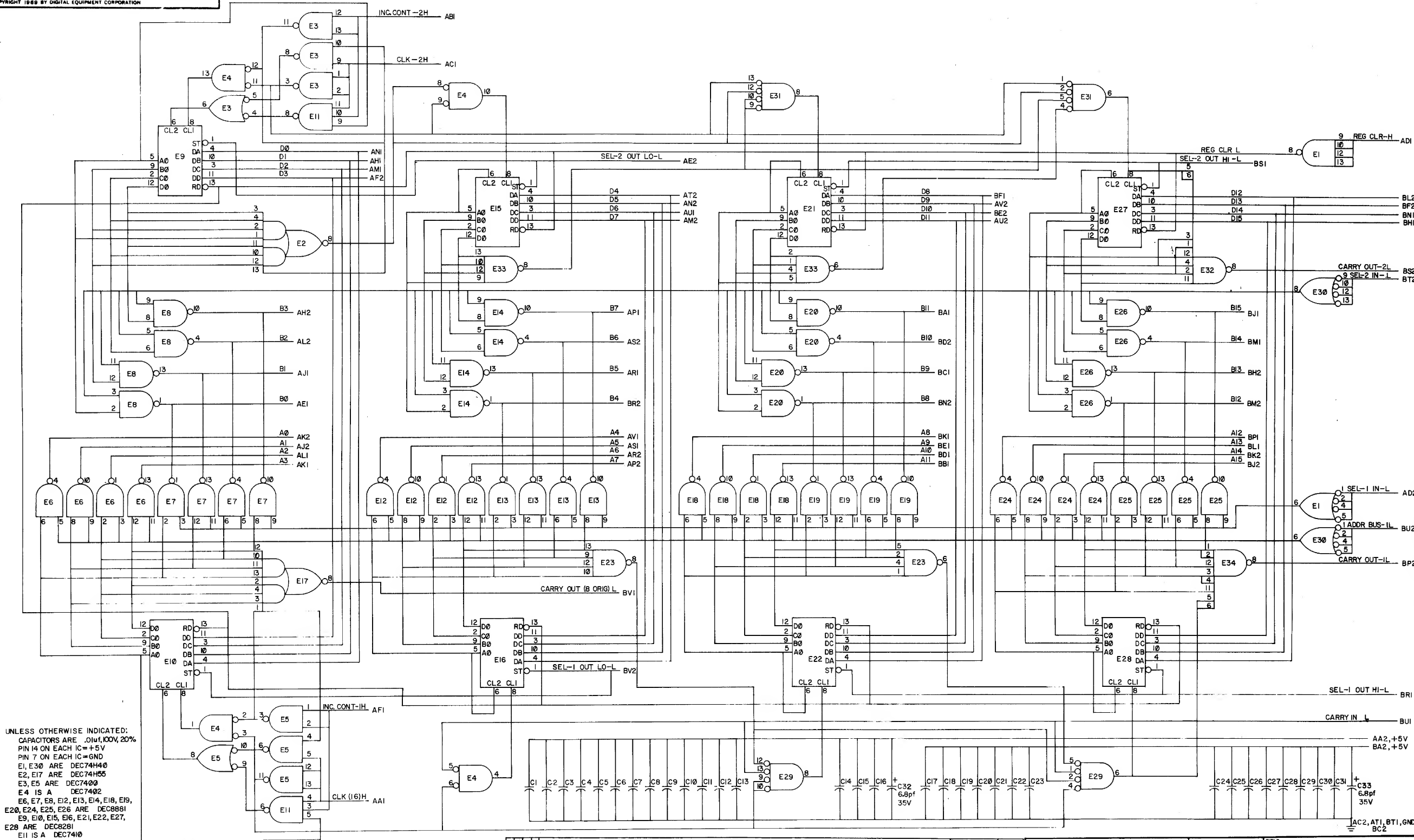
TRANSISTOR & DIODE CONVERSION CHART			
DEC		EIA	

DIGITAL EQUIPMENT CORPORATION		MAYNARD, MASSACHUSETTS	
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TITLE			
UNIBUS DRIVERS M783			
SIZE	CODE	NUMBER	REV.
B	CS	M783-0-1	
PRINTED CIRCUIT REV.			A B

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8 1-0-962W SC D
A2H 238WTH 3002 3215



UNLESS OTHERWISE INDICATED:
CAPACITORS ARE .01uF, 100V, 20%
PIN 14 ON EACH IC = +5V
PIN 7 ON EACH IC = GND
E1, E30 ARE DEC74H40
E2, E17 ARE DEC74H05
E3, E5 ARE DEC7400
E4 IS A DEC7402
E6, E7, E8, E12, E13, E14, E18, E19,
E20, E24, E25, E26 ARE DEC8881
E9, E10, E15, E16, E21, E22, E27,
E28 ARE DEC8281
E11 IS A DEC7410
E33, E23 ARE DEC7420
E29, E31 ARE DEC8815
E32, E34 ARE DEC7430

REV	DATE	BY	CHKD
1	7-8-70	JEANNE FRENCH	
2	8-1-70	JEANNE FRENCH	
3	8-1-70	JEANNE FRENCH	

DATE	BY	CHKD
7-8-70	JEANNE FRENCH	
8-1-70	JEANNE FRENCH	
8-1-70	JEANNE FRENCH	

TRANSISTOR & DIODE CONVERSION CHART	DEC	EIA	DEC	EIA
1	2N	100	1	2N
2	2N	100	2	2N
3	2N	100	3	2N

digital	EQUIPMENT CORPORATION
MAINTENANCE	MAINTENANCE
MAINTENANCE	MAINTENANCE
MAINTENANCE	MAINTENANCE

TITLE	WC AND CMA MODULE
NUMBER	M795-0-1
SIZE	D
CODE	CS
PRINTED CIRCUIT REV.	A/B/C

SIZE CODE	D	CS	M796	NUMBER -0-1	C REV
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REVISIONS	
CHK	CHG NO. REV.
✓	00001 A
✓	00002 B
✓	00003 C
B. Bailey/11-20-01	
S. JENKINS	
S. Jenkins	

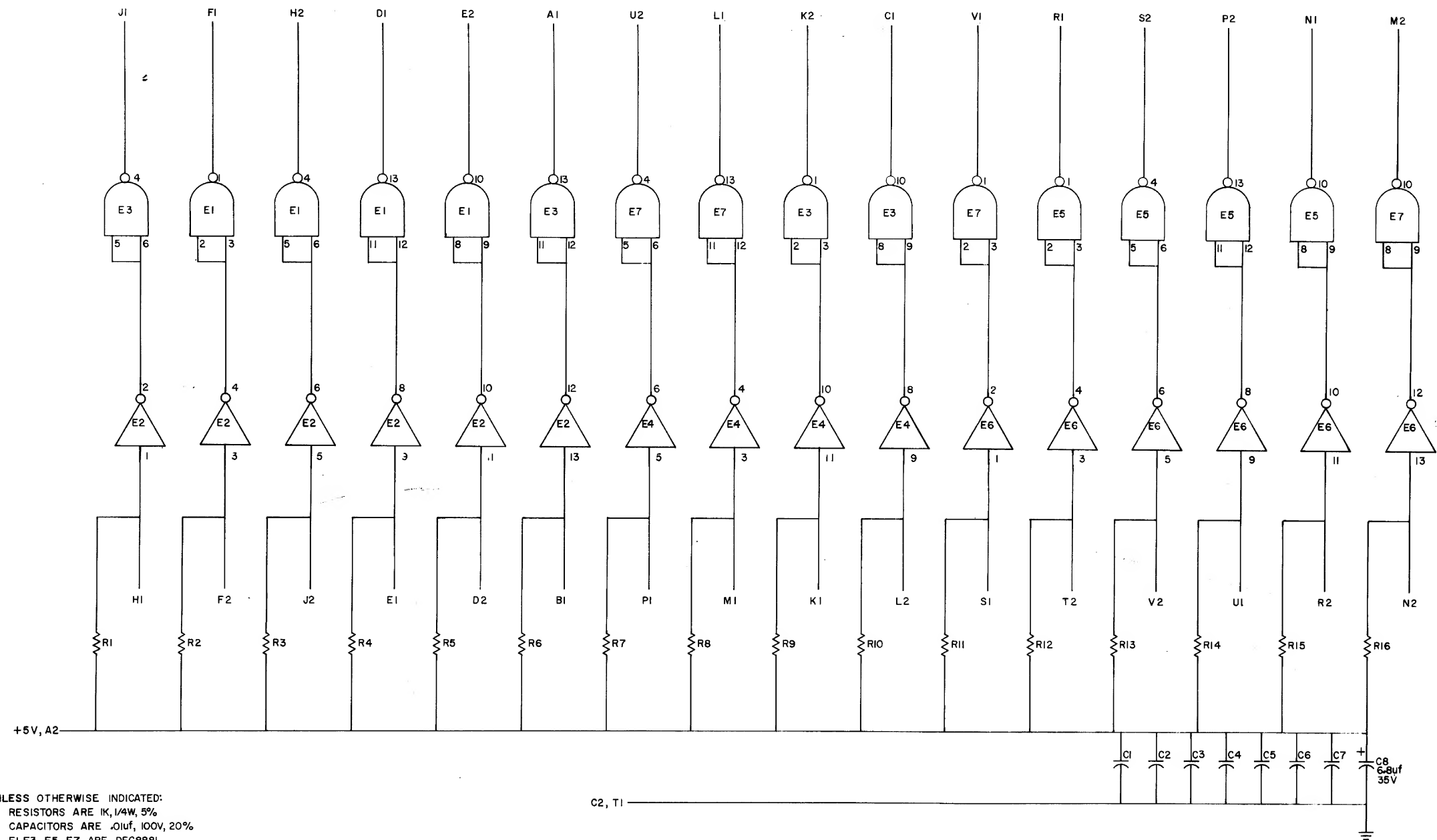
DRN	DATE
Panne Gaudin	6/29/1
CHMD	DATE
L. Managan	7-30-1
ENG.	DATE
E. S. S. S.	8-21-7
PROD	DATE

[illegible]

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE		UNIBUS MASTER CONTROL M796	
SIZE D	CODE CS	NUMBER M796 -0-1	
PRINTED CIRCUIT REV.		C	

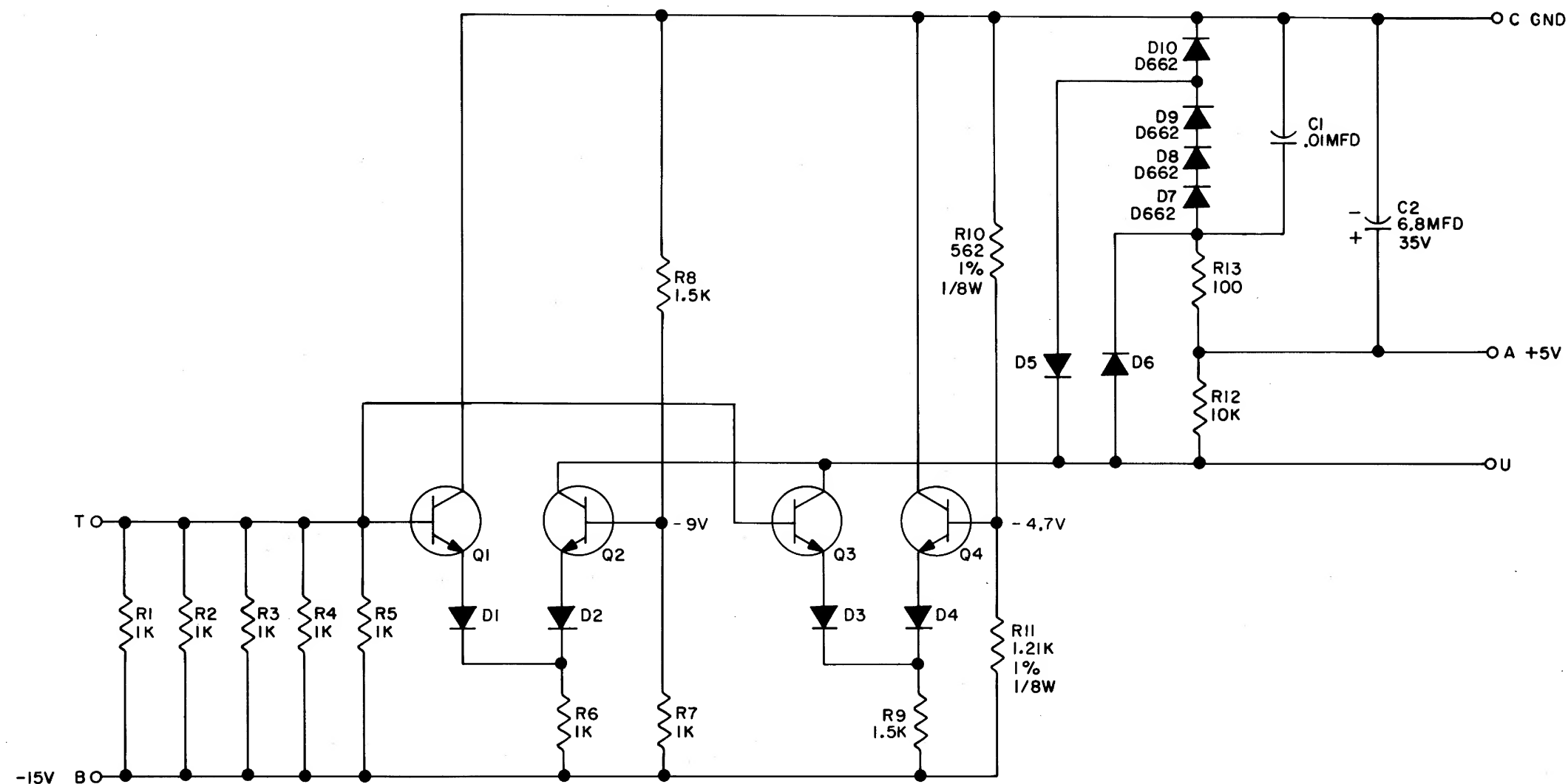
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REVISIONS CHK CHG NO. REV 1 00001 A		DRN: <i>James Smith</i> DATE: 7/1/70 CHK'D: <i>J. M. Mance</i> DATE: 7/28/70 ENG: <i>B. E. Smith</i> DATE: 8/1/70 PROD: DATE:		TRANSISTOR & DIODE CONVERSION CHART <table border="1"> <tr> <th>DEC</th> <th>EIA</th> <th>DEC</th> <th>EIA</th> </tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>				DEC	EIA	DEC	EIA																	digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS		TITLE: UNIBUS DRIVER M798 SIZE: C CODE: CS NUMBER: M798 - 0 - 1 REV: A PRINTED CIRCUIT REV: B	
DEC	EIA	DEC	EIA																												

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REV. 1-0-6289
NUMBER 6879-0-1
SIZE B
CODE CS



UNLESS OTHERWISE INDICATED:
RESISTORS ARE 1/4W, 5%
DIODES ARE D664
TRANSISTORS ARE DEC3009B

REVISIONS	CHK	CHG NO.	REV.

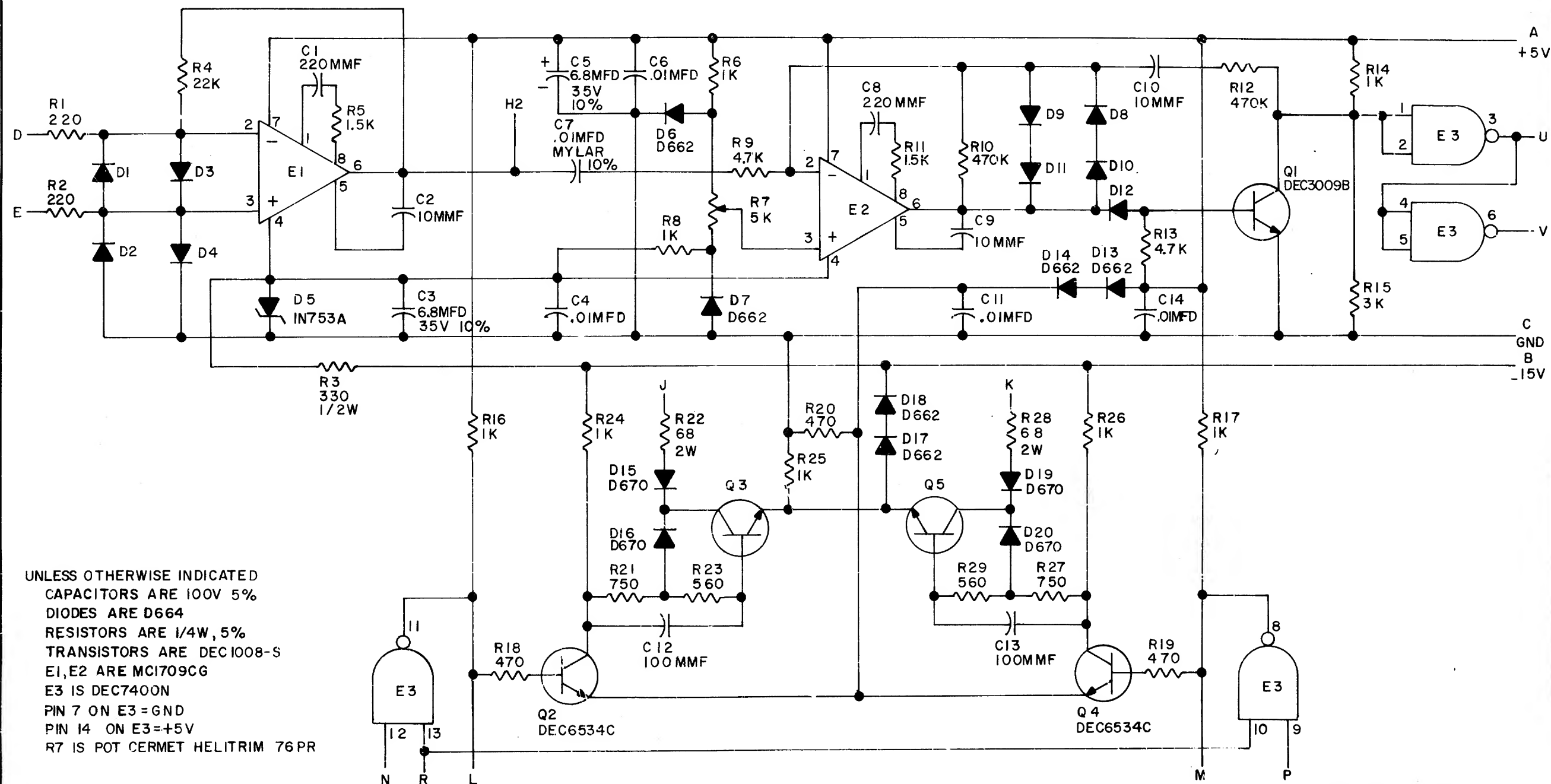
DRN.	DATE
BUTLER	7/2/69
CHK'D	DATE
G. Yang	7/7/69
ENG.	DATE
D. Zuber	8/3/69
PROD.	DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D664	1N3606		
D662	1N645		
DEC3009B	2N3009		

digital
EQUIPMENT
CORPORATION
MAYNARD, MASSACHUSETTS

TITLE			
TRANSPORT DETECTOR G879			
SIZE	CODE	NUMBER	REV.
B	CS	G879-0-1	
PRINTED CIRCUIT REV.			A

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UNLESS OTHERWISE INDICATED
CAPACITORS ARE 100V 5%
DIODES ARE D664
RESISTORS ARE 1/4W, 5%
TRANSISTORS ARE DEC1008-S
E1, E2 ARE MC1709CG
E3 IS DEC7400N
PIN 7 ON E3 = GND
PIN 14 ON E3 = +5V
R7 IS POT CERMET HELITRIM 76PR

REVISIONS

CHK	CHG	NO	REV

DRN. *A. Clement* 8-2969

CHK'D *J. P. Hallette* 9/3/69

ENG. *J. Chabree* 9/25/69

PROD.

DATE 8-2969

DATE 9/3/69

DATE 9/25/69

DATE

TRANSISTOR & DIODE CONVERSION CHART			
DEC	EIA	DEC	EIA
D664	IN3606	DEC1008-S	MM1008
D662	IN645		
D670	SAME		
DEC3009B	2N3009B		
DEC6534C	MPS6534		

digital

EQUIPMENT CORPORATION

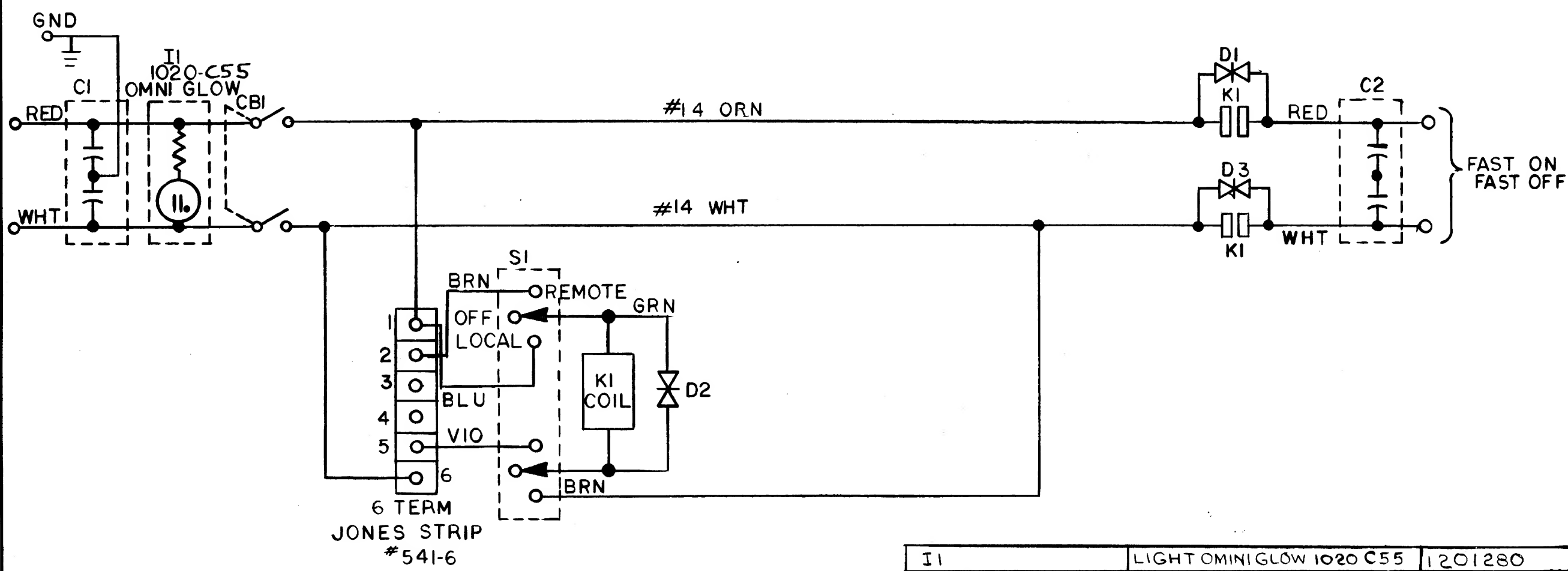
MAYNARD, MASSACHUSETTS

TITLE **MANCHESTER READER/WRITER G888**

SIZE	CODE	NUMBER	REV.
B	CS	G888-0-1	

PRINTED CIRCUIT REV. **A**

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I1	LIGHT OMNI GLOW 1020 C55	1201280
D1, D2, D3	DIODE THY 6RS20SP4B4	1100106
CBI	CIR BREAKER*190-220-104	1201218
K1	RELAY EM-4, 115V	1205768
SI	TOGGLE SW CH 7563K6	1205964
C1 & C2	CAP. 2X .1MFD 1KVDC	1000034
	PARTS LIST	A-PL-854-0-0
REF DESIGNATION	DESCRIPTION	PART NO
PARTS LIST		

REVISIONS	CHK	CHG NO.	REV.	DRN. P. de Blance	DATE 10-21-68	TRANSISTOR & DIODE CONVERSION CHART				digital EQUIPMENT CORPORATION MAYNARD, MASSACHUSETTS	TITLE POWER CONTROL 854			
	1	00002	A			DEC	EIA	DEC	EIA		SIZE B	CODE CS	NUMBER 854-0-1	REV. A
	2	00003	B											
	3	00004	C											
DEC FORM NO. DRB 102				ENG. GW GERELDS DATE 11/15/68		PROD. GW GERELDS DATE 11/15/68				PRINTED CIRCUIT REV.				
										DIST. 324 434 435 331 436 438 PINK				